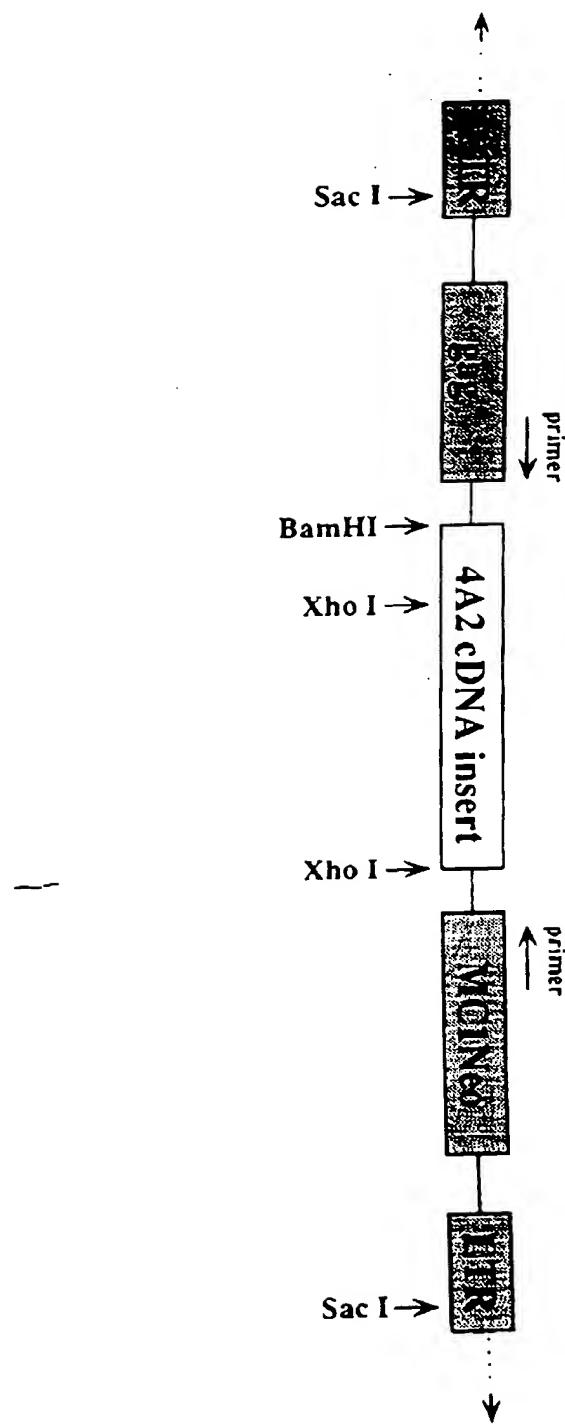


FIGURE 1



08916256

FIGURE 2

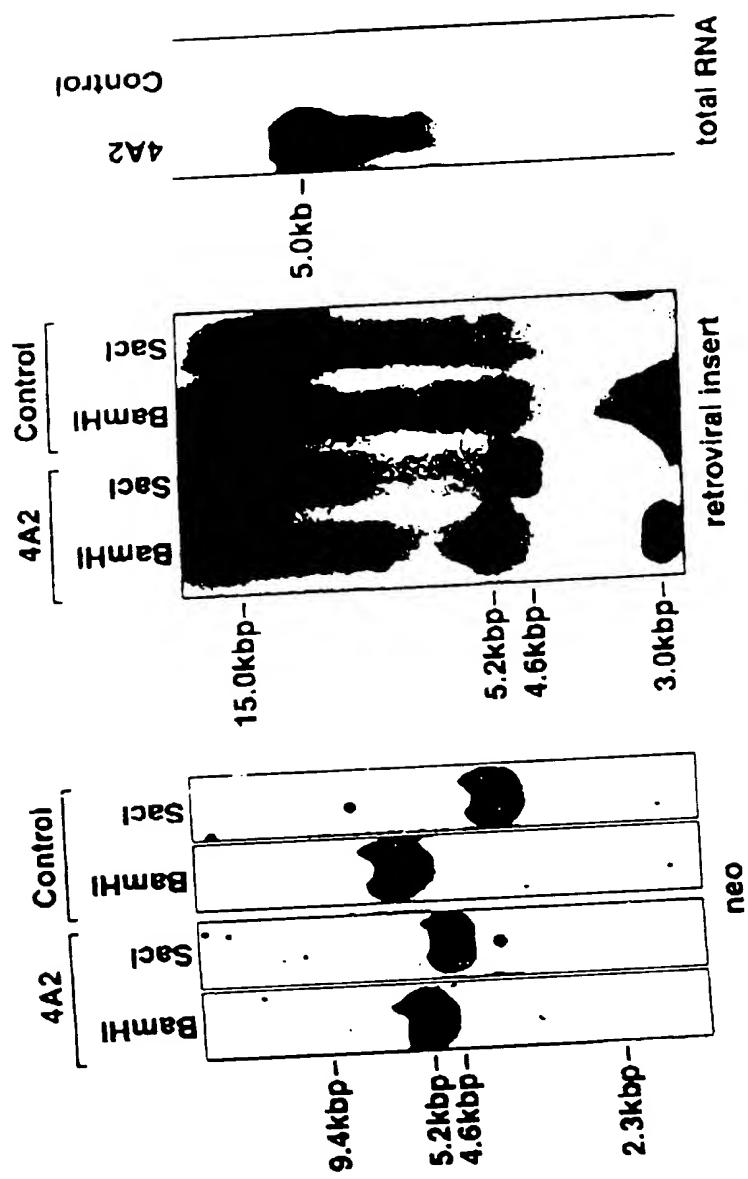
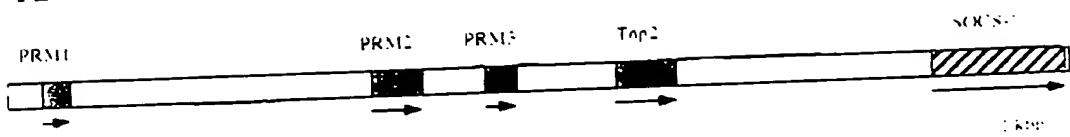


FIGURE 3

4



B

FIGURE 4

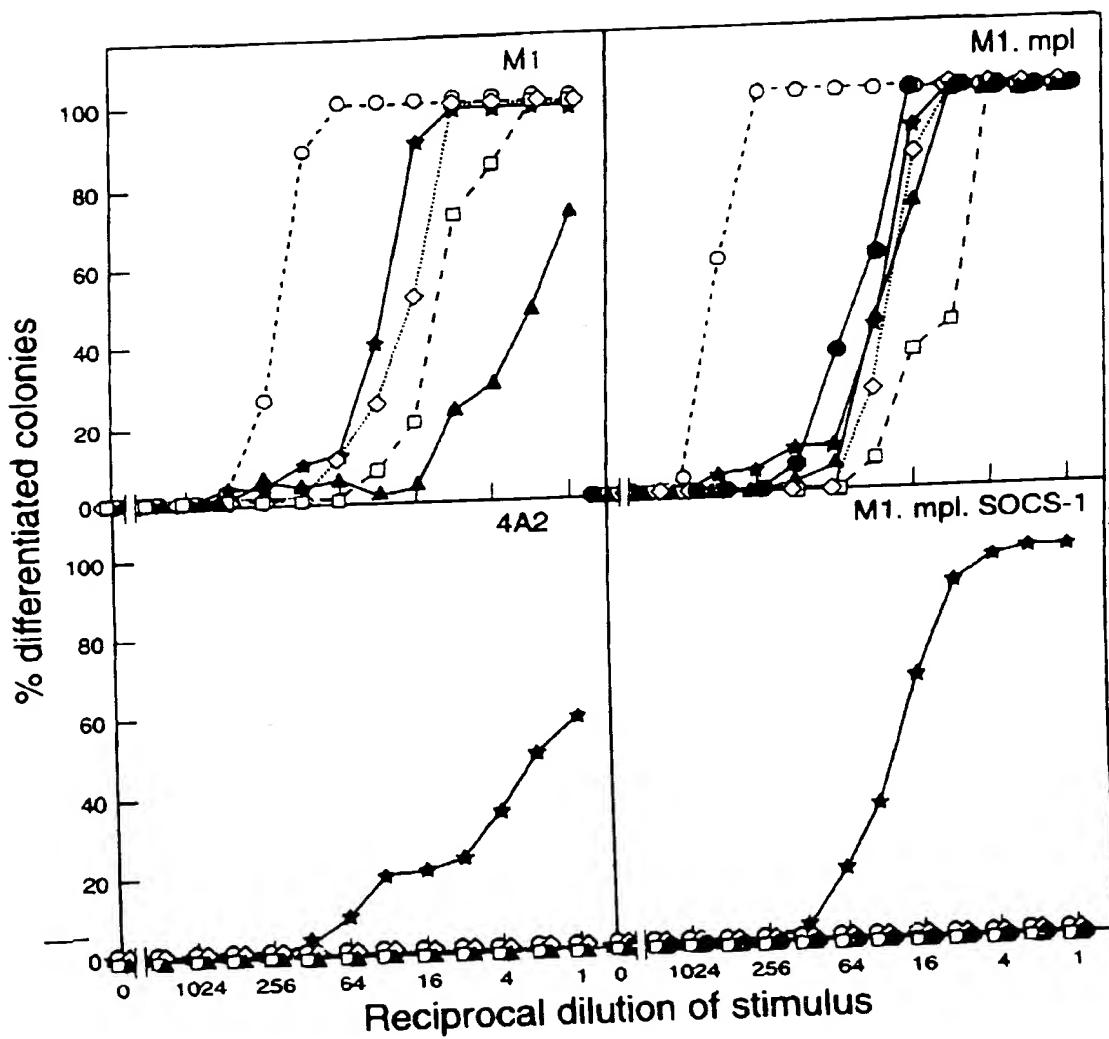


FIGURE 5

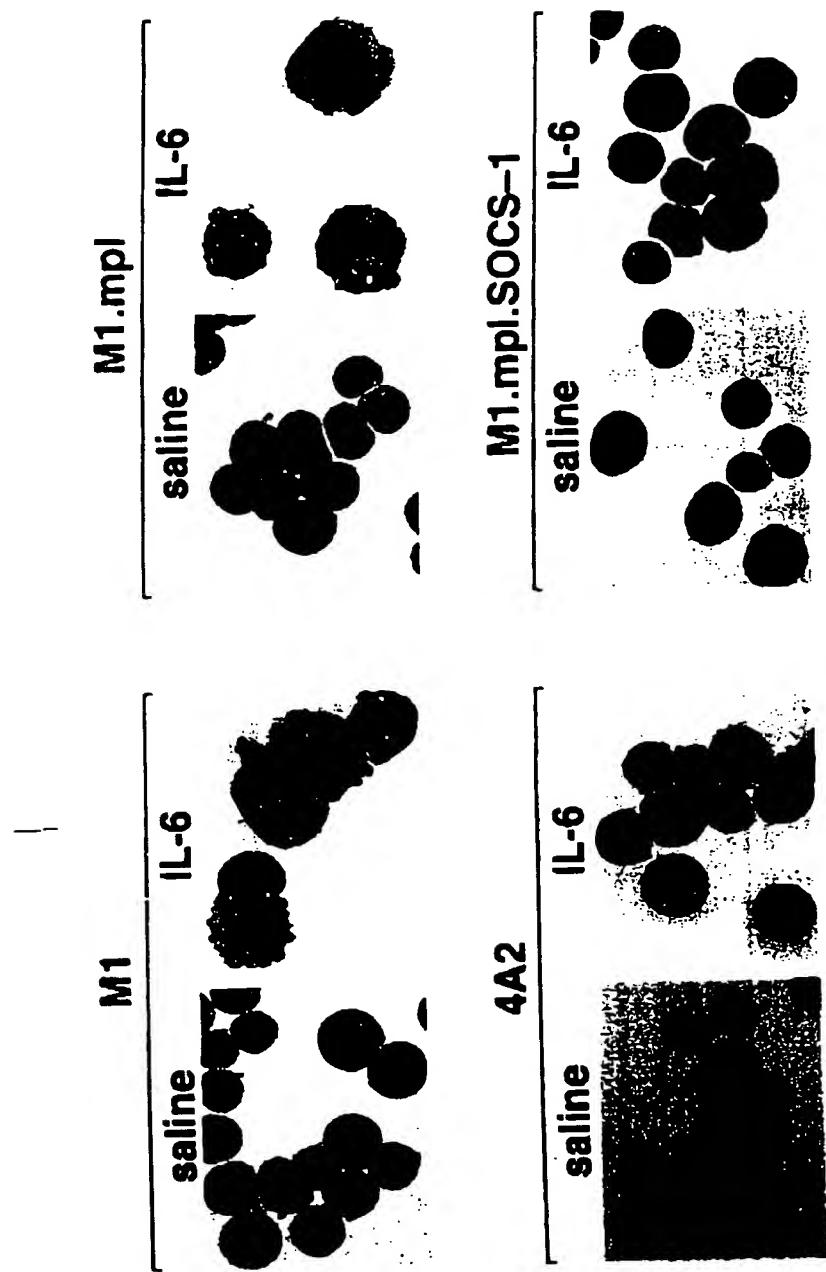


FIGURE 6

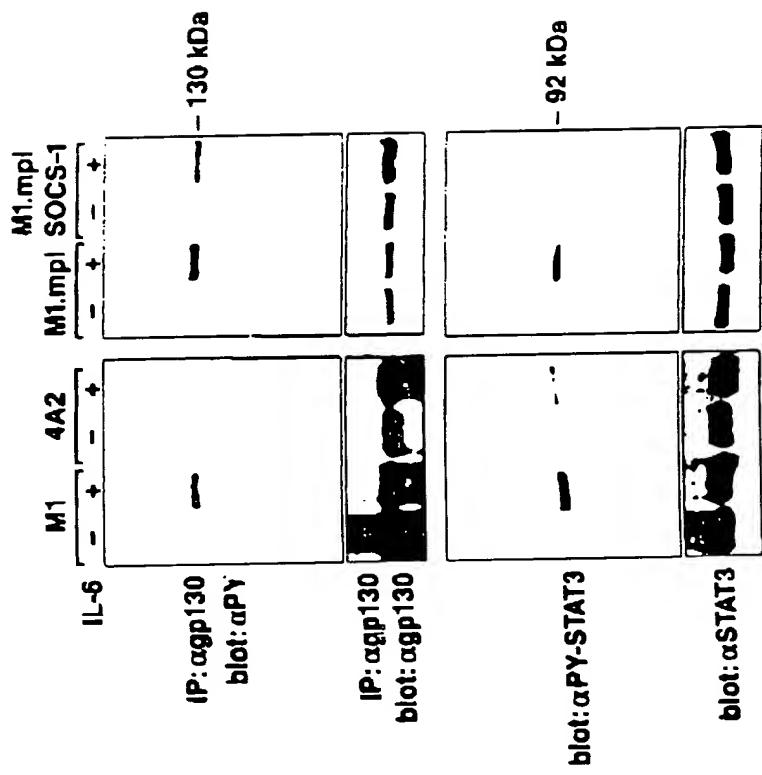
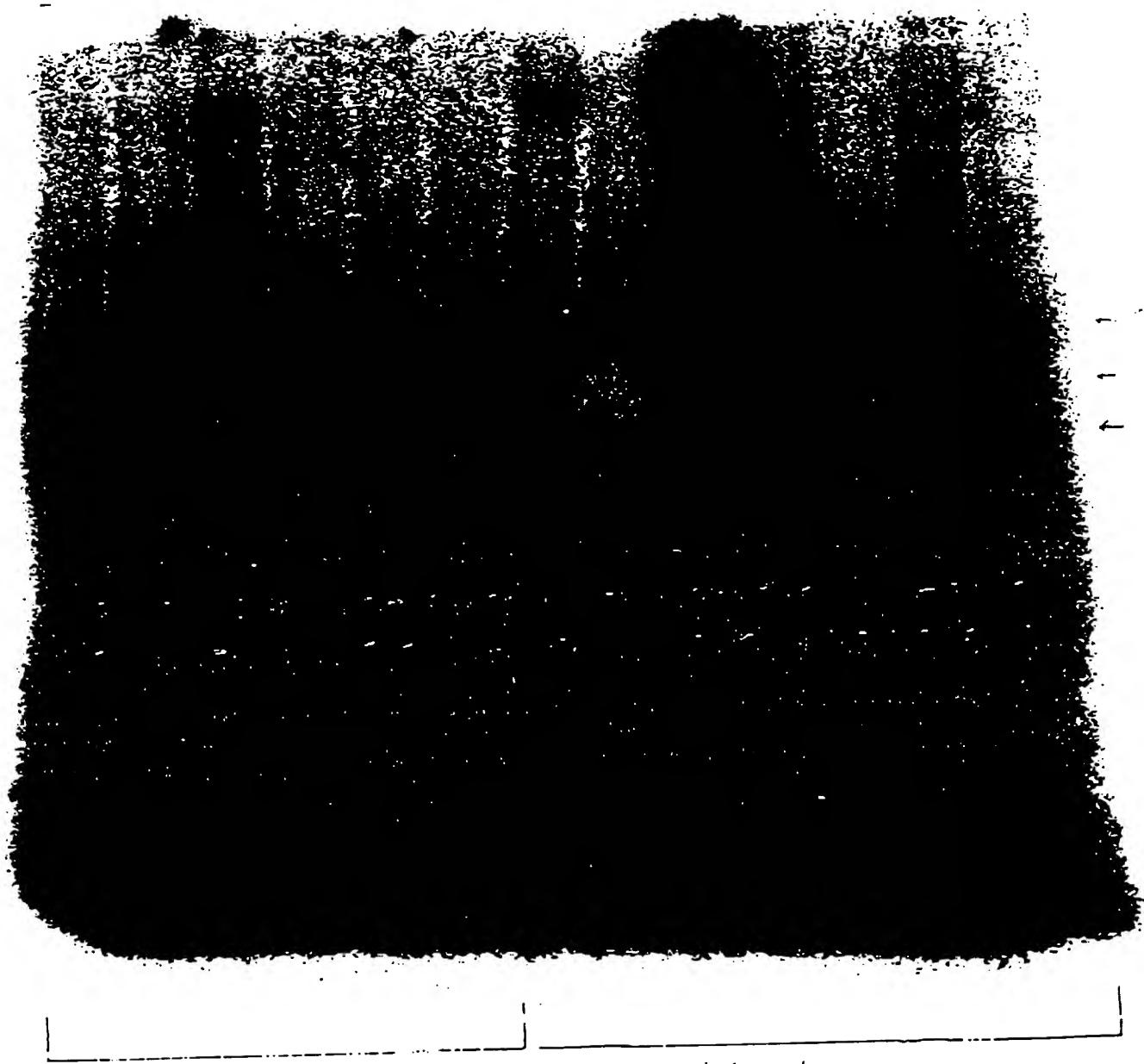


FIGURE 7A



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FIGURE 7B



08962560 - 403167

FIGURE 8

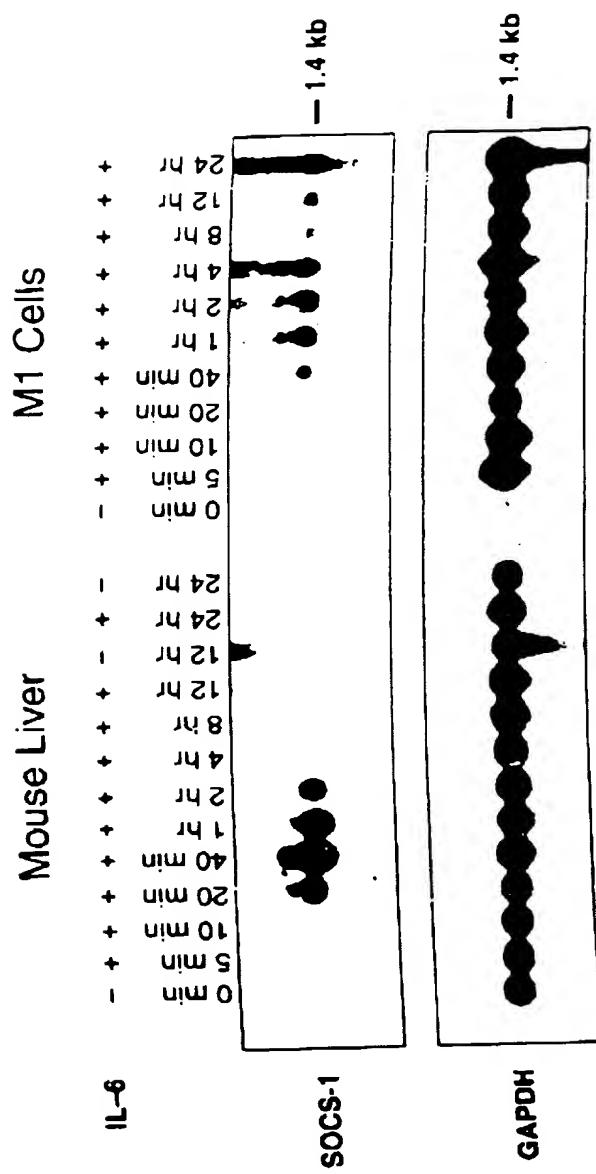


Figure 9

FIGURE 10

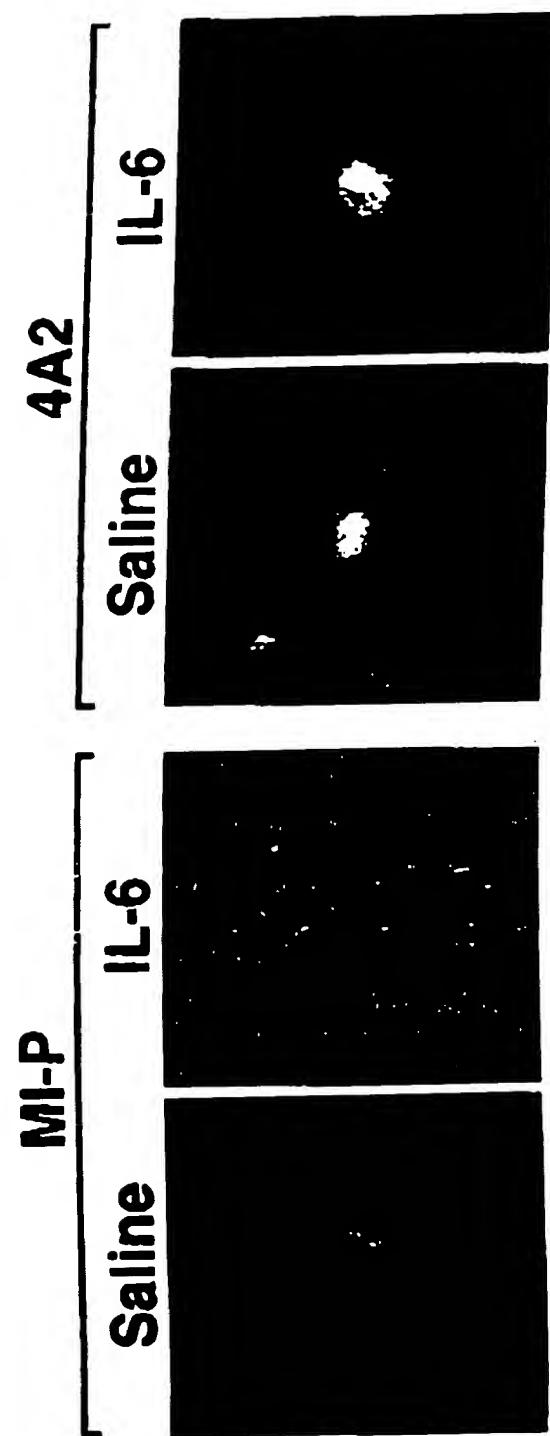


FIGURE 11

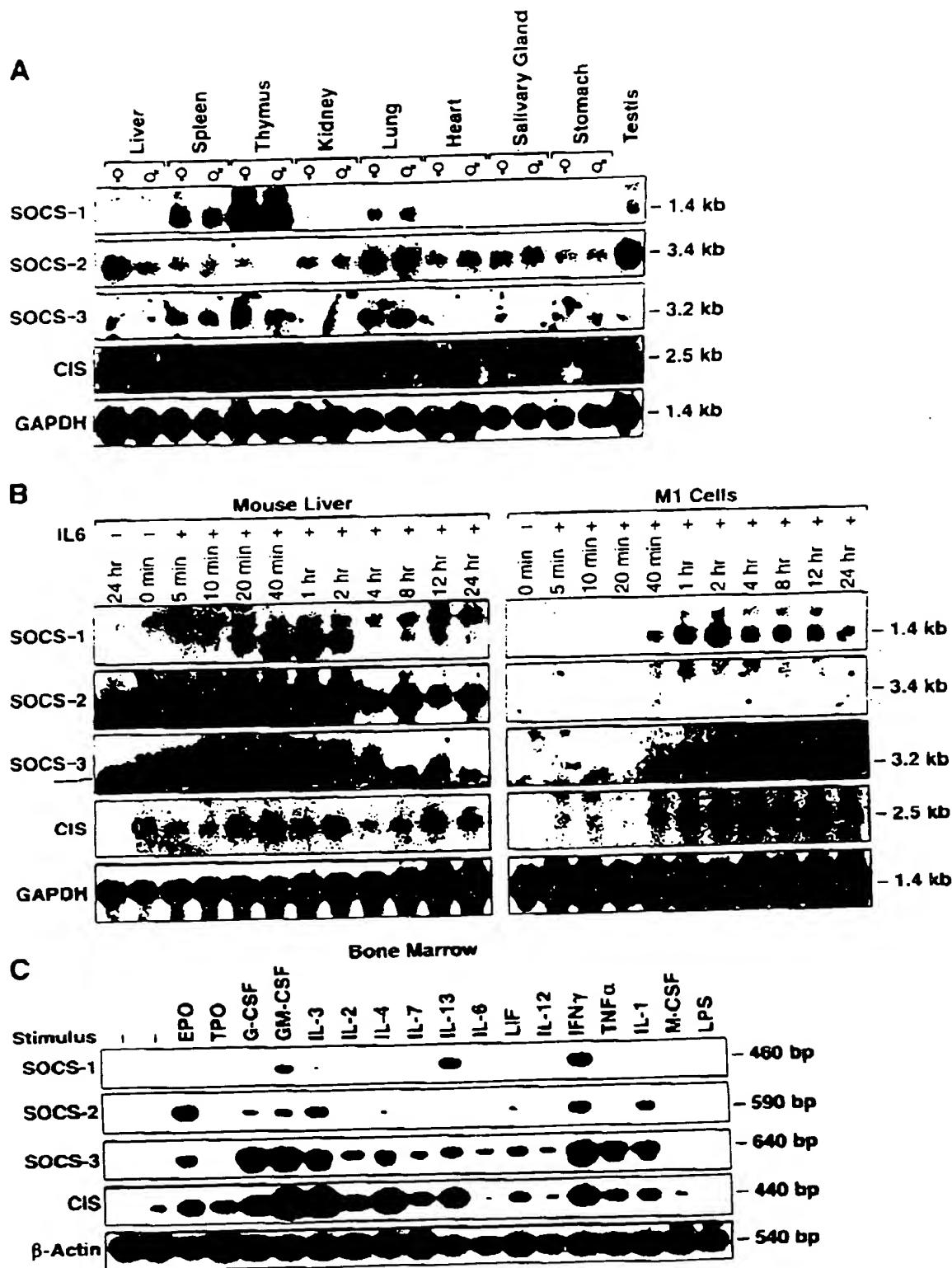


FIGURE 12

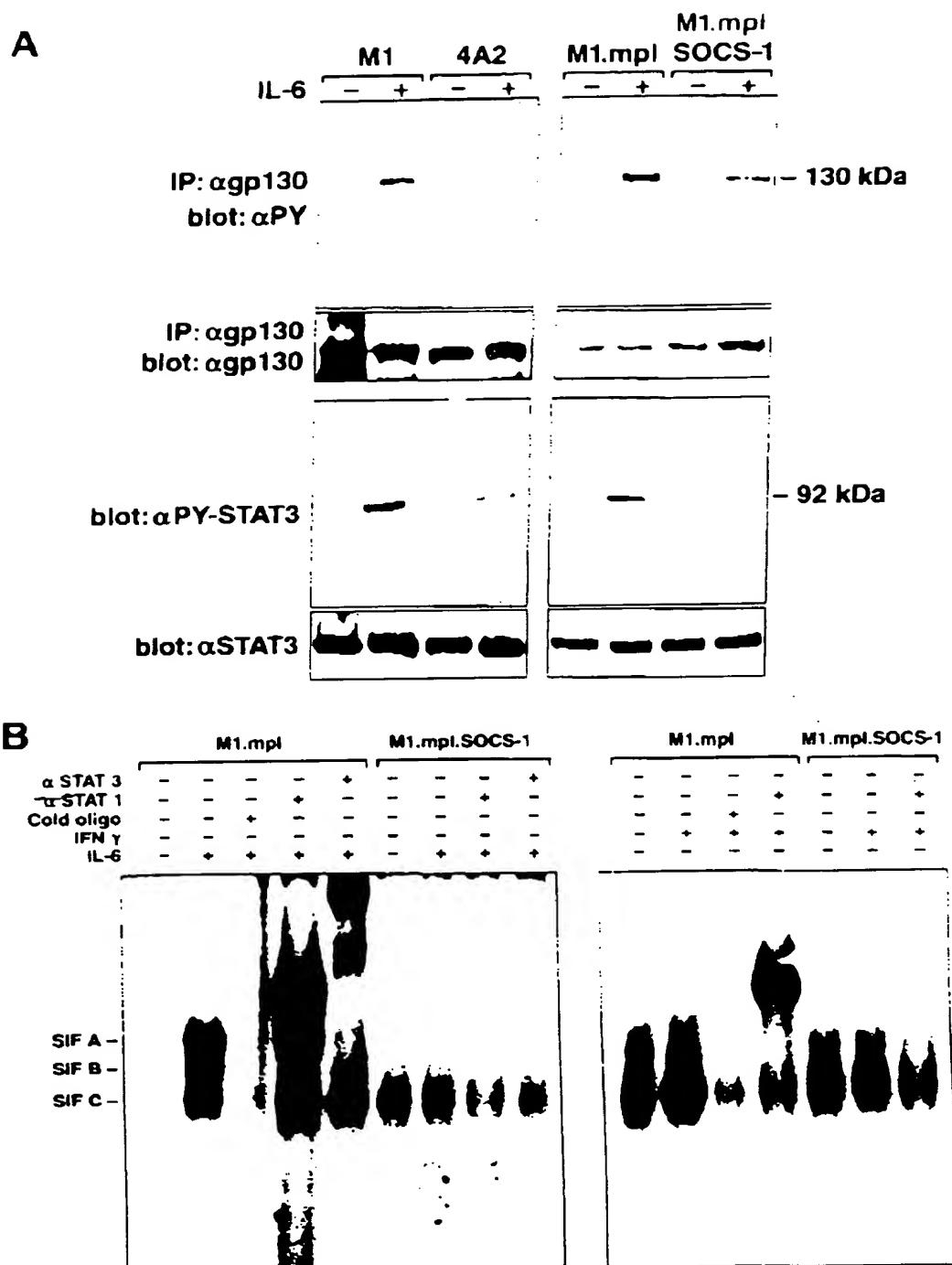


Figure 13

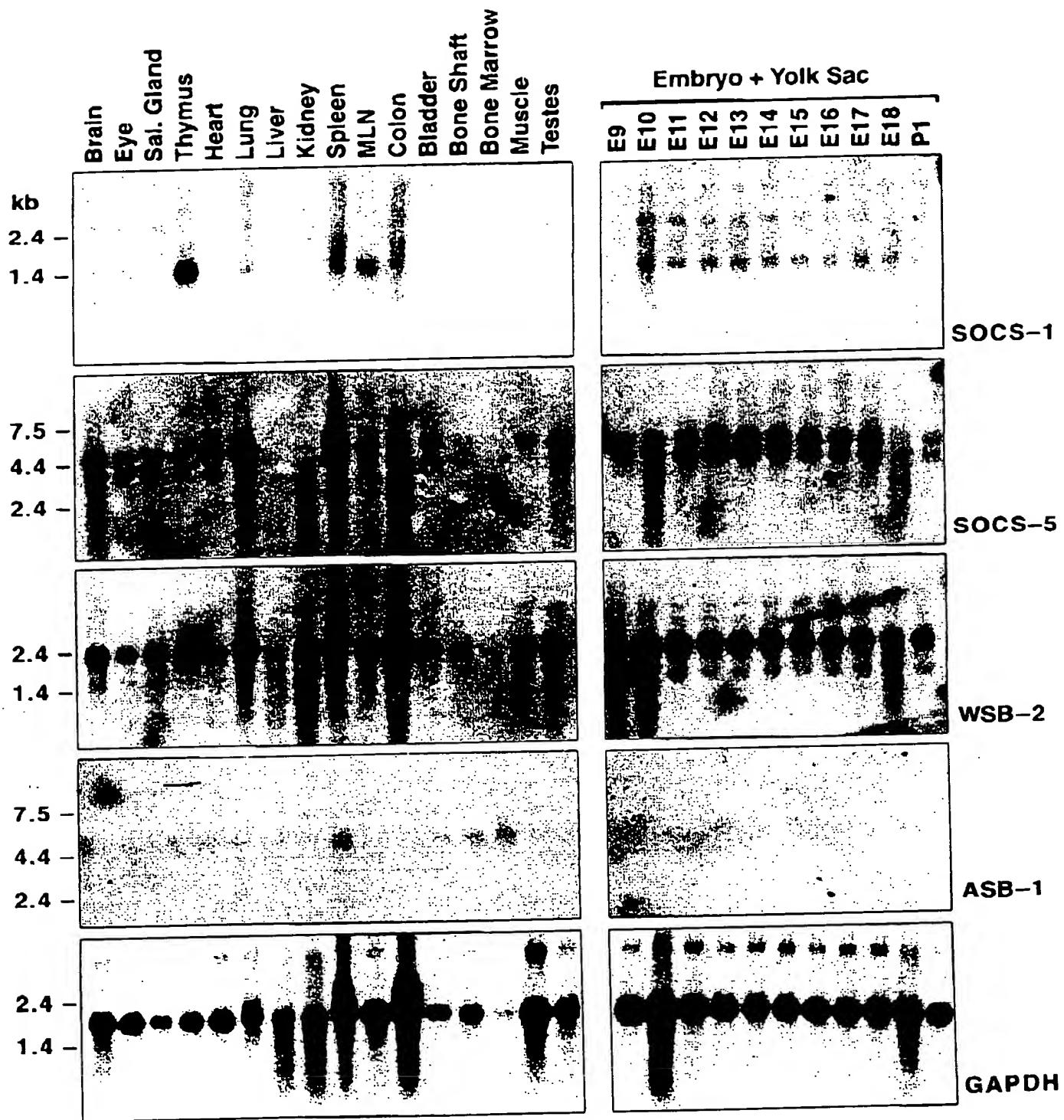


FIGURE 14A

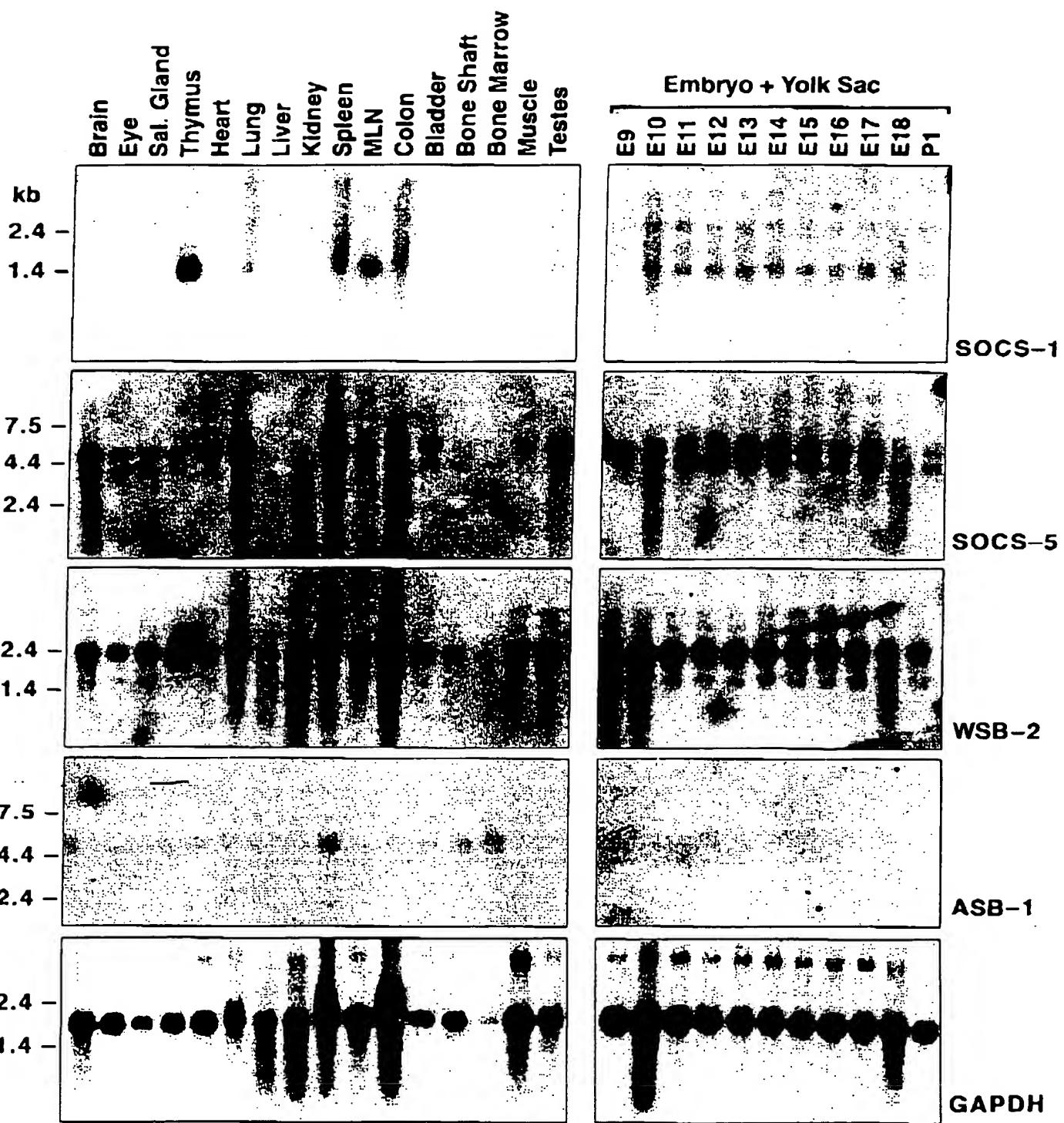


FIGURE 14B

FIGURE 15

cgaattccgggcgggctgtgtgagtctgtgagtggaaaggcgccggcttttgcgtgactggccggctttgtt
ccaggcattccgggtgatttcctccggcagtcgcagaagccgcagccggccgcgtctctgcagtctccacacc
cgggagagcctgagccgcgtcaagccctcagcccccgtgagtccttcgttgcgtccgaatcgagttcccg
gaatcagacggtgcccatagATGCCAGCTTCCCCGAGGGTTAACGAGAAAGAGATCGTGAGATCACGTACTATAGG
GGAACCTCTGGCTCCAGCAGCTCCTTTGACAAGAAATGGTGGTGGAGAAACTGGACGGTTGCTTTGCCTCTGATGGTT
CCTACTTTGCGTGGTACAAGGATATCGCATAGTGAAAGCTTGCCCGTGGTCCAGTGGCTAAGAACTTTCTTTGCAT
GGTTCCAAAAATGTTACCAATTCAAGCTGTCTAAAATTGGCARAGACAAACAGTAATGGTGGTCAGAAAACAAGCTCC
TGAGCAGCTTATAGACTGGAGACATAGTCTGGAGTCTGCTTGGGTCTCAGTTCCAGAAAAACAGAGTCGTTGG
TTAATATAAGATGGCATCGGTTCCGATTTGACAGGATCAGCTACTCCTTGCACAGGATTAAACAATGGTCGCATC
ATCTGGGATGTATATACAGGAAACTCCTCTTAATTGGTAGACCACATTGAAATGGTAGAGATTAACTTTGCTCC
AGATGGGAGCTTACTCCTGTATCAGCTTCAAGAGACAAAACCTAAAGAGTGTGGGACCTGAAAGATGATGGAAACATGG
TGAAAGTATTGCGGGCACATCAGAATTGGGtGtACAGTGTGCATTCTCTCCGACTGTTCTATGCTGTGTTCACTGG
GCCAGTAAAGCAGTTTCTTGGATATGGATAAAACACCATGATTAGGAAGCtGGAAGGTCAACCATGATGTTGT
AGCTTGTGACTTTCTCCTGATGGAGCTTGCTA9CTACTGCATCTATGACACTCGTGTATGCTGGATCCACACA
ATGGAGACCTCTGATGGAGTTGGGACCTGTTCCCTGCCCCACTCCAAATATTGCTGGAGGAGCAATGACCGATGG
GTGAGAGCTGTGCTTCACTGATGGACTGCATGTGCCAGCCTGCTGATGATAAAATGGTGA9GTTCTGGAGAAT
CGATGAGGATTGTCCGGTACAAGTTGCACCTTGAGCAATGGTCTTGTGCTGCTTCTACTGATGGCAGTGTGTTAG
CTGCTGGACACATGATGGAAGTGTGATTTGGGCACTCCAAGGCAAGTCCCTAGCCTCAACATATGTCGCATG
TCAATCCGAAGAGTGTCCACCCAGAAGTCCAAAACCTGCCTGTTCCAAAATATTGGCGTTCTCCTACCG
CGGTTAGactgaagactgccttcgttaggcctgcagacagacgcgccttacaagacacacacctaagcttacctc
gtggccatt

FIGURE 16

MASFPPRVEKEIVSRTIGELLAPAAPFDKKCGGENWTVAFAPDGSYFAWSQGYRIVKLVWPWSQCRKNPLLHGSKNVTN
SSCLKLARQNSNGQKKNPPEBVIDCGDIVWSLAFGSSVPEKQSRCVNIEWHRFRFGQDQLLLATGLNNGRRIKIWDVYTG
KLLLNLDHIEMVRLDTFAPDGSLLLVSASRDKTLRVWDLKDDGNMVKVLRAHQNWVYSCAFSPDCSMLCSVGASKAVFL
WNMDKTYTMIRKLEGHHHDVVAACDFSPDGALLATASYDTRVYVWDPEHGDLLMEFGHLLPPSPTPIFAGGANDRWRRAVSFS
HDGLBVASLADDRMVRFWRIDECPVQVAPLSNGLCCAFSTDGSVLAAGTHDGSVYFWATPRQVPSLQHICRMSIRRVM
TOEVOKLPVPSKILAF~~L~~SYRG*

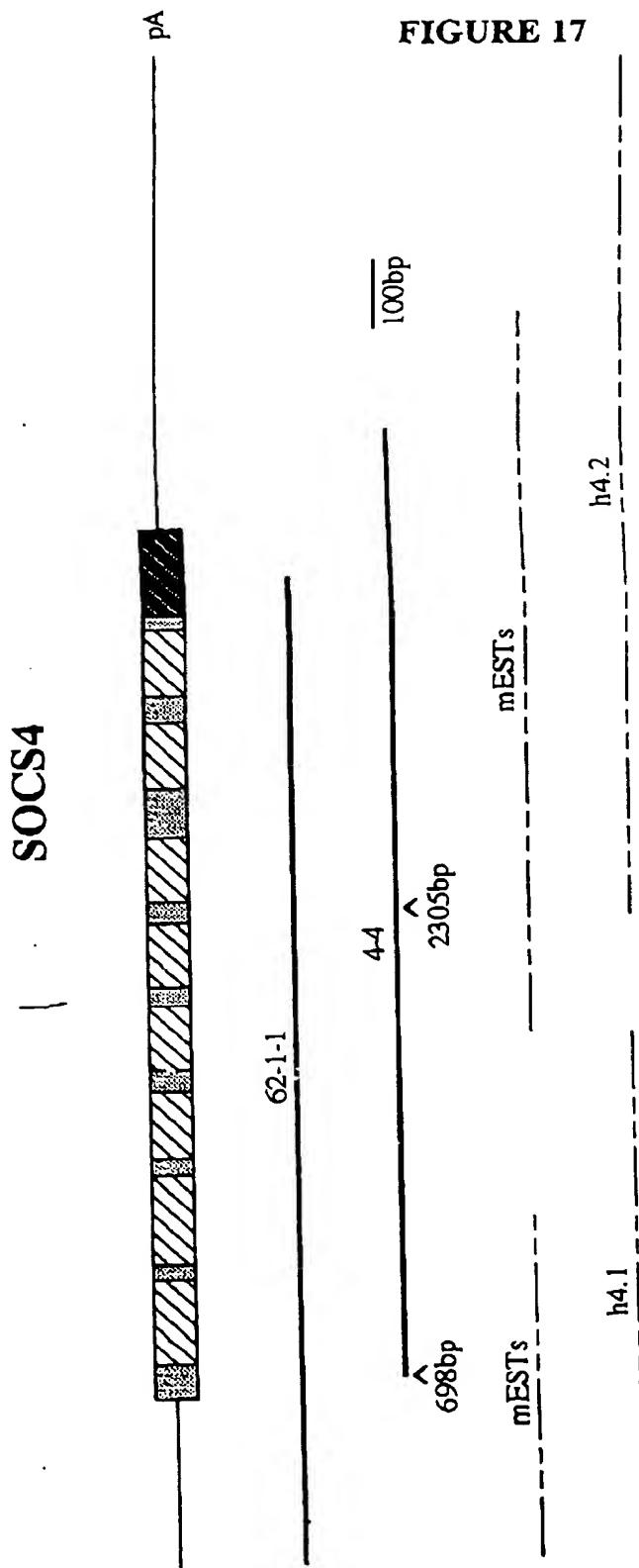
FIGURE 17

FIGURE 18

b4.1

CTGTCTTCCCTCCGCAGCGCGAGGCTGGGTACAGGGTCTATTGTCGTGGTTGACTCCGTACTTGGTCTGAGGCCTTCGG
GAGCTTCCCAGGGCAGTTAGCAGAAGCCGAGCAGCGACCGCCCCGCCGTCCTCTGTCCCTGGGCCCCGGGAGACAAAC
TTGGCGTCACGCCCTAGCGGTCGCCACTCTTCTGTGGTGGTCCGCATCGTATCCCGGAATCAGACGGTGC
CATAGATGGCCAGCTTCCCCGAGGGTCAACGAGAAAGAGATCGTAGAGATCACGTACTATAGGTGAACCTTAGCTCCT
GCAGCTCCTTGACAAGAARTGTGGTCGTGAAAATTGGACTGTTGCTTGTCCAGATGGTCTACACTTTGCTGGTC
ACAAGGACATCGCACAGTAAAGCTGTTCCGTGGTCCAGTGCCTCAGAACCTTCTGTCATGGCACCAAGAATGTTA
CCAATTCAAGCAGTTAAGATTGCAAGACAAAATAGTGTGGTGGTCAAGAAAATAAGCCTCGTACATATTATAGACT
GTGGAGATATAGTCTGGAGTCTGCTTTGGTCACTAGTCCAGAAAACAGAGTCGCTGTGTAATATAGAATGGCAT
CGCTTCAGATTGACAAGATCAGTACTTCTGCTACAGGGTTGAACAATGGCGTATCAAATATGGGATGTATATMC
AGGAAACTCCTCCTAACCTGGTAGATCAGTGAAGTGGTCAAGAATTAACTTTGCTCCAG

b4.2

CTCTGTATGTCGAATGAAGCTATAACATTGCTTTTATTGCAGGTTTCTTGGAAATATGGATAAAACACCATGA
TACGGAAACTAGAAGGACATCACCAGTGTGGTAGCTGTGACTTTCTCTGATGGAGCATTACTGGCTACTGCATCT
TATGATACTCGAGTATATCTGGGATCCACATAATGGAGACATTCTGATGGAATTGGGCACCTGTTCCCCCACCTAC
TCCAATATTGCTGGAGGGACAAATGACCGGTGGTAGCTGATCTGATCTTGTGATCTTGTGACCTGGCAAGGCC
TTGCTGATGATAAAATGGTAGGGTCTGGAGATTGATGAGGATTATCCAGTGCACGTTGCACCTTGAGCAATGGCTT
TGCTGTGCCTCTCTACTGATGGCAGTGTGTTAGCTGCTGGACACATGACGGAAGTGTGTTAGTTGGCCACTCCACG
GCAGGTCCCTAGCCCTGCAACATTTATGTCGATGTCATCCGAAGAGTGATGCCACCCAAAGTTCAGGAGCTGCCGA
TTCTTCCAAGCTTGGAGTTCTCGTATCGTATTAGAAGATTCTGCCCTCCCTAGTAGTAGAGGGACTGACAGAATA
CACTTAACACAAACCTCAAGCTTACTGACTCAATTATCTGTTAAAGACGTAGAAGATTATTAATTGATATGT
TCTGTACTGCATTGATCAGTTGAGCTTTAAATATTATAGACAATAGAAGTATTCTGAACATATCAAATAT
AAATTTTAAAGATCTAACTGTGAAAACATACACACTGTACATATTAGATATAAGCTGCTATATGTTGAATGGACC
CTTTGCTTCTGATTTTAGTTCTGACATGTATATTGCTTAGAGGCCACAAATATGTATCTTGCTGAAAGTG
CAAGGAAATTAAATCTGGGACACTGAGTTAGATGGTAAATACTGACTTACGAAAGTGAATTGGGTGAGGCGGGCAA
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AA[]

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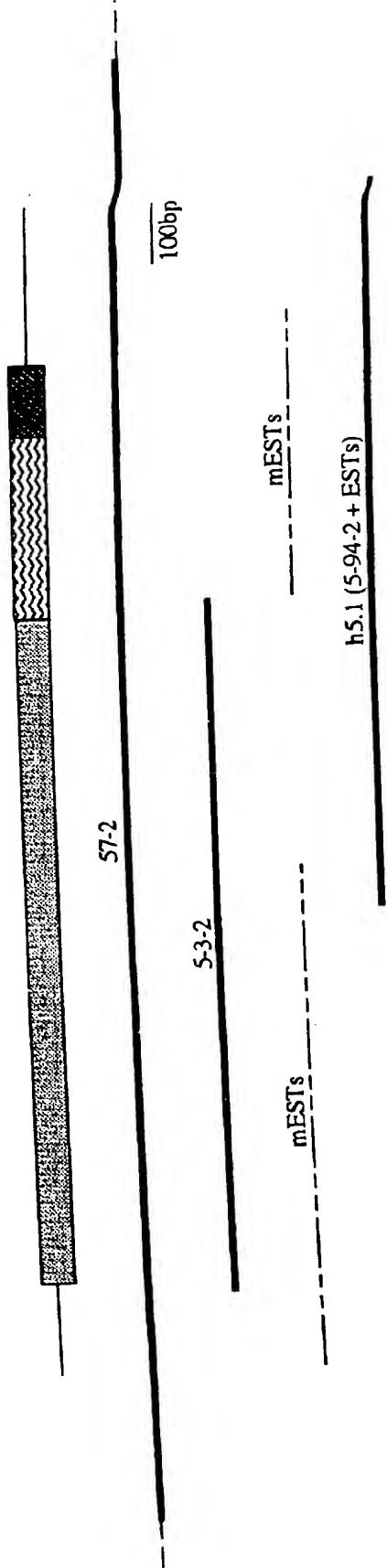


FIGURE 19

FIGURE 20A

cggcacgagccgggctccgtccggaggaagcgaggctgcgcggccggcaggagcggaggacgggagcgcggcgg
gtcgcgctcgccctgtcgctgactcgctgccccggccatccttgctggccgcagggtgccttgatgaggccgcccgcg
cgtgtcccgccgctgagtgtcccccggtcgccccggcctgcctcaagcggccgccttccttgccgggtcccc
ttttcccccggcgaagtcctccggtggcgccctccgcacccgcggcaggccgcacggccctcgccggatggat
ccggcggagaagaggaaagacaagccggggctgcgcacccgtgcggcggcggcgttagtggggacttactcgag
taggetctcgcttcttaatcattggataaagtggggaaaatgtggaaacactttaaaaatacagatggccaaatcttca
GCCCATGGGGAGGGAGGGCGTAAATGAGAACGTGGAGATGAACCCCAACAGATGTCGCTGTCAAAGAGAAAAGCATCAGT
CTGGGAGAGGCAGCTCCCAGCAAGAGAGCAGTCCCTTAAGAGAAAATGTCGCTTACAGCTGGACTGAGCCCTTCAA
GACCTTTCCAGGGCGAACCAAACGTGCCCCAGAGATCCCTCAAGTGGTGAATCAGCATCGAGAAAGACAGTGA
CgGGTGCACCCCGAGAACGAGGCTTGCACGGAGAGACTCCTACTCGCGGCACGGCCCGTGGGGAGGAAGAAGAAA
CAT
TCCTGTTCCACAAAGACCCAGAGTTCATTGGATACCGAGAAAAAGTTGGTAGRACTCGAACGGCCCTCAGAGGGCAGA
GCGGCGCTATGGAGTCAGCTCCATGCAGGACATGGACAGCGTTCTAGCCGCCGTCGGGAGCCCTCTGAGGGCAGA
GGCTCCAGGACACGGTGGGTTCTGTTCCATGAGAACCTTACAGCAAGCAGTCAAGGCCACTCTTTCAATAAAA
AGAAAATACATCTCTGAATTATGCTGGAGAAATGCCCTTTCTGCTGGCTGGGATTAGCACAAAAGTGGCATTGAT
TAAACAGCATACCGCCCTGTGAGGCCAACACTCAACATTGATACATTGATCCATCACTGGTGTCTACAGAAGATG
AAGAAGATAGGCTTCGGAGAGAGACGGCTTAGTATCGAAGAAGGGGTGGATCCcCcTCCCAAGCACA
AAATACACACC
TTGAGCTACTGCACAGGTCAACCCATTGATAAGCTGGGACCAAAAGTTAGCTCTGGGATGACAGAGATAAGTGGAGA
TGGTCTGCAATTCCACAAGCATTGTGACTCAGAAGAGGATTCAACCACCTATGTCGAGTCACGGAGGCAGAAC
AGGCCAGGTGTCCGGGACAGGCCACGCGCACGTTAGCAGACAGGGAGCTGGAAAGTTCAAGCAGATCGATTACATA
CACTGCCCTGTGCCAGTTGCTCAGATCACAGGAATCCCTGTTACTGGGGCGTAGTGGACCGATACGGGCCAG
CCTTCTGAAGGGAAACCGGAAGGCACGTTCTGCTCAGGGACTCTGCAACAGGGAGACTACCTCTCTGAGCTTCC
GCCGCTACACAAGGTCTCGACGCCGGGATCGAGCAGTGGAAACCAACTTACGCTCGATGCCATGACCCCTGCGT
TTTCACTCTCCACWGTCACGGGCTTCTGCAACACTATAAGACCCAGCTTGCATGTTTGAACCGTTGCTAAC
GATATCACTGAATAGAACCTTCCCTTCAGGCTGCAGTATATCTGCCGCGCAGTGTCTGCAGATGCACTACGTATGATG
GGATTGACGGGCTCCCGTACCGCTCGATGTTACAGGATTTTAAAGAGTATCATTATAACAAAAGTTAGGGTTCGC
TGGTTAGAACGGAGARCCAGTCAAAGCAAAGTAA
tccctgtccccaaaggcactaactaactaagtctgtccctccgtgcac
mjaactgcacccataggraggeagtcagtcaggattccacccagaatggagcttagtcattagccctctgcctca
tggggctcgcttctcagacaaaggcgttagggacagcaagatggcttgcagggttcgggtgtgcacaactaga
gggaggcacttgggcatttgcataatggaaatttttttcttccacggaaacaatattaaatattgtatgggtattt
caatagtgtactaatttttggaaatttttttcttcaagaatatttttcttcaaccccttgcagaaaaaagtagtgcatt
tactataatcaagcttggaaaaggcttgcacaaacaaggtaataaaaagactacccctttagagaaaaacaaatgc
ttttcccaqccacaggcattgtcactgttaatgttngcttgcattcagtccttctcc

FIGURE 20B

MDKVGKMWNNLKYRCQNLFSHEGGSRNENVEMNPNRCPSVKERSISLGEAAPQQESSPLRENVALQLGLSPSKTFSSRRNQ
NCAAEIPQVVEISIEKDSDSGATPGTRLARRDSYSRHAPWGKKKHSCTKTQSSLDEKKFGRTRSGIQRERRRYGVSS
MQDMDSVSSRAVGSRSLRQLQDTVGLCPMRHTYSKQSKPLFSNKRKIHLSLEMLEKCPFPAGSDLAQWBELIKQHTAPV
SPHSTFFDTFDPSLVTSTEEDRLRERRRLSIEEGVDPPPNAQIHTFEATAQVNPLYKLGPKLAPGMTEISGDGSAIPQX
NCDSEEDSTTLCLQSRRKQQRQVSGDSHAEVSRQGAWKVTQIDYIHCLVPDLQITGNPCYWGVMDRYEAALLEGKPE
GTFLLRDSAQEDYLFVSFSRYYNRSLHARIEQWNENFSFDAHDPCVFHSSXVTGLLEHYKDPSSCMFFEPLLTISLNRTF
PFSQYICRAVICRCTTYDGIDGLPLPSMLODFLKEYHYKQKVRVRWLERXPVKAK*

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FIGURE 21

GATTAAACAGCATAACAGCTCCTGTGAGCCCACATTCAACATTGGATACATTGATCCATCTTGGTTCTACAGAAG
ATGAAGAAGATAGGCTAGAGAGAGAAGGCGGCTTAGTATTGAAGAAGGGGTGATCCCCCTCCCAATGCACAAATACAT
ACATTGAAAGCTACTGCACAGGTAAATCCATTATWTAACACTGGGACCAAAATTAGCTCTGGAATGACTGAAATAAGTGG
GGACAGTTCGCAATTCCACAAGCTAATTGTGACTCGGAAGAGGAGTACAACACCCTGTGTTGCAAGTCACGGAGGCAGA
AGCAGCGTCAGATATCTGGAGACAGCCATAACCCATGTTAGCAGACAGGGAGCTGGAAAGTCCACACACAGATTGATTAC
ATACACTGCTTCGTCGCTGATTTGCTTCAAATTACAGGGAATCCCTGTTACTGGGAGTGTGATGGACCGTTATGAAGCAGA
AGCCCTCTCGAAGGGAAACCTGAAGGCACGGTCTGCTCAGGGACTCTGCGCAAGAGGACTACTTCTCTGTGAGCT
TCGGCGATACAACAGATCCCTGCATGCCGAATTGAGCAGTGGAAATCACAACCTTGTGACGCCATGACCCGTGT
GTATTTCACTCCTCCACTGTAACGGGACTTTAGAACATTATAAGATCCCAGTTCGTGCATGTTTTGAACCATGGCT
TACTATATCACTAAATAGGACTTCCCTTACCCCTAATGTTACAGGATTTTAAAAGAGTATCATTATAACAAAAAGTTAGAGTT
ATGGAATTGATGGGCTCCCTACCCCTAATGTTACAGGATTTTAAAAGAGTATCATTATAACAAAAAGTTAGAGTT
CGCTGGTTGGaACGAGAACCAAGTCAGGCAAAGTAAACTCTCCGGTCCCCAAAGGqTGTTAACTAGGTCCGCTTCATGT
GCATCAGACAGTACACCTATAGCAAGCACACGTAGCAGTGTAGGCTTTTACAGTATGTAAGCTTAGTGTAGTAT
CTGTCAGATGCTACCTGCTGTTACTTATTCAAGATAAACATGGtGCCTATTGGAACAATAGcGGATAGAGCTACAGGTGTT
CAGTAAGACTACAAAACATTTCGCTTACAGTTGGTTTTAATGGCTGTGCTATTGAGTGAGGCAACTC
TGGGGCATTGTTATGAAGAAATG

SOCS6

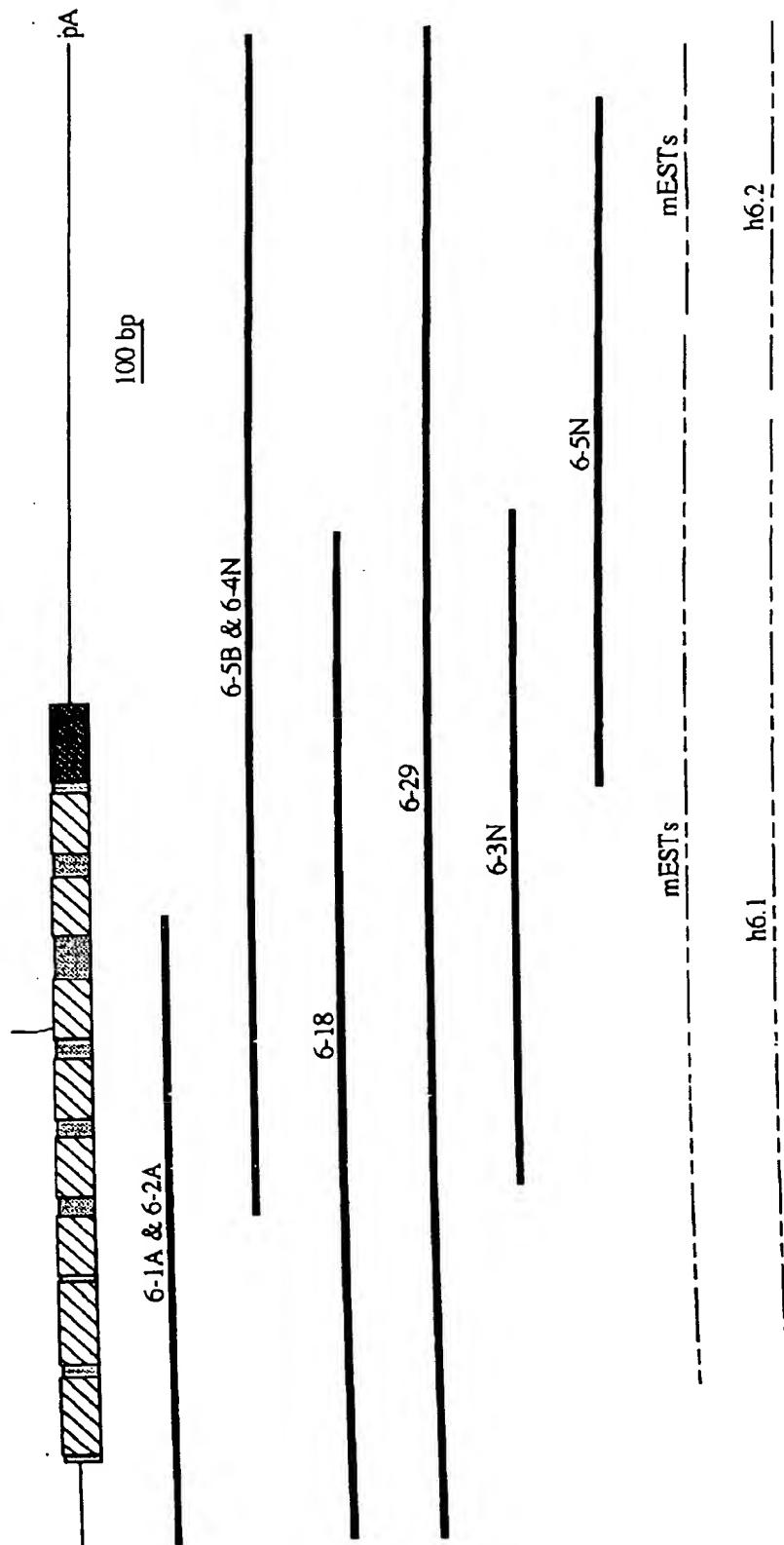


FIGURE 22

FIGURE 23A

ggcacgaggcgggtggcggcggcggccgcggcggggcgccggcgaaATGAAGGCCACGGCCCTGGGGCTG
AGGCAGCCGGCCCTGGGGCGGCCGCGTCTGAGAGCCGGAGAGGAGCCGCTGCTGCTGACTCAAGCCT
GGGCGCCCCCACCAGTCGACTGGAAGTCAGACTGGACCTGGAGCGTGGCCCTCTCGCCAGACGGTCTGGTTC
CTGGTCTCAAGGACACTGCGTGGTCAAGCTGGTCCCTGGCCCTTAGAGGAACAGTTATCCCTAAAGGATTCAAGCCA
AGAGCGGAAGCAGCAAGAATGACCCAAAAGGACGGGGCAGTCGAAGGAGAAGACGCTGGACTGTGGCCAGATTGTG
GGGCTGGCCTTCAGCCGTGGCCCTCTCCACCCAGCAGGAAACTCTGGGCACGTCAACCATCCCCAGGCGCCTGATGTT
TTGCTGATCCTGCCACAGGTCTAACGATGGGAGATCAAGATTGGGAGGTACAGACAGGCCCTCTGCTTCTGAATC
TTTCTGCCACCAAGACGTCGTGAGAGATCTGAGCTTCAGGCCAGCGGCAGTTGATTTGGTCTGCACTCCGGAT
AAGACACTCGAATTGGGACCTGAATAAAACACGGTAAGCAGATCCAGGTATCCGGCATCTGCAGTGGGTTACTG
CTGCTCCATCTCCCCACTGACTGTAGCATGCTGTGCTGAGCTGGGAGAAGTCGGCTTTCTGAGGACATGGGCTCT
ACACACTAATCGGAAACTAGAAGGCCACAAAGCAGTGTGCTCTGTGATTCTCTGTGATTCAAGCCTTGCTGTC
ACAGCTCGTATGACACCAGTGTGATTATGTTGGGACCCCTAACACCGGCGCGAGGCTGAGGTCACTCACACACA
TGAACCCACCATGGATGACAGTGACGCCACATGAGCTCCCTGAGGTCCTGCTCTCACCTGAAGGCTTGATCTCG
CTACGGTGGCAGATGACAGGCTGCTCAGGATCTGGGCTCTGGAACTGAAGGCTCCGGTTGCTCCGATGACCAAT
GGTCTTGCTGCACGTTCTCCCACACGGTGGAAATTATTGCCACAGGGACAGAGATGGGATGTCAGTCTGGACAGC
TCCCCGGGTCCCTGCTCACTGAAGCACTTATGCAAGGAAAGGCCCTCGGAAGTTCTGACAACGTATCAAGCCTAGCAC
TGCCAATCCCCAAGAAGATGAAAGAGTCTCACATACAGGACTTTCTAGtagtgcgggtccccccacccctgcag
cagcagtacaaggactggctaggatggagtcaggcagctcacactggaccaggtagtgcgggtccccccatggcat
gtgcaagtaggtctgcgtgacccacttctgtggccggccctacctgcgttccatccgtggtagcagccctgcgtc
tctagttgttgaagccaagtgcagttgtggatgttgcgtggtagatggatggatggatggatggatggatggat
gcggccaaagccacactcccttaactggaaagtacctggccacgttagggatccatctgcgtccatattccagcc
atggtttgaagttccctgggtggcagaagaactctgggtttggccctgcgtccatgtgttagagaagtaaca
ctccctcaccataactagtgccggcttttgggttccctgtaaacagtgggtgcacatgtgttagagaagtaaca
agatcatcataccatgaggaggccgttccctgggtgcacgggtcagatggccattatcagcatatttgc
catatgtaaaggatcaactgtgttgcgttccatgtgtggatggatggatggatggatggatggatggatggat
aagtgcgtggagtcagtgcgtacatcactggcttgcgttgcacatgtgttgcgttgcgttgc
gatgtacccctccagttcaactyccaaaacagacagcccttccaaagcaccgttgcacagcggtagagctac
tcaagacgcctcacacaaaatgccttagaaagtaatataattttaaaataaaagaaactcaacatcttattt
tggccttcttaattgtatgccttaggaggcagtgttacattgtacagtgtatgcata
agaacaatqaaaatgaggcttcatgtgaggaaaaaaa&aaaaaa

FIGURE 23B

MEAGEEPLLLAELKPGRPBQFDWKSSCETWSVAFSPDGSWFAWSQGHCVVKLVPWPLEEQFIPKGFEAKSRSSKNDPKGRG
SLKEKTLDCGQIVWGLAFSPWPSPSRKLWAREHPQAPDVSCILILATGLNDQIRIWEVQTGLLLNLSGHQDVVRDLSFT
PSGSLILVSASRDKTTLRIWDLNKHGKQIQVLSGHLQWVYCCSISPDCSMLCSAAGEKSVFLWSMRSYTLIRKLEGHQSSVV
SCDFSPDSALLVTASYDTSVIMWDPYTGARLRSLEHTQLEPTMDSDVHMSSLRSVCFSPEGLYLATVADDRILRIWALEL
KAPVAFAPMTNGLCCTFFPHGGIATGTRDGEVQFWTAPRVLSSLKHLCRKALRSFLTTYQVLALPIPKKMKEFLTYRTF*

FIGURE 24

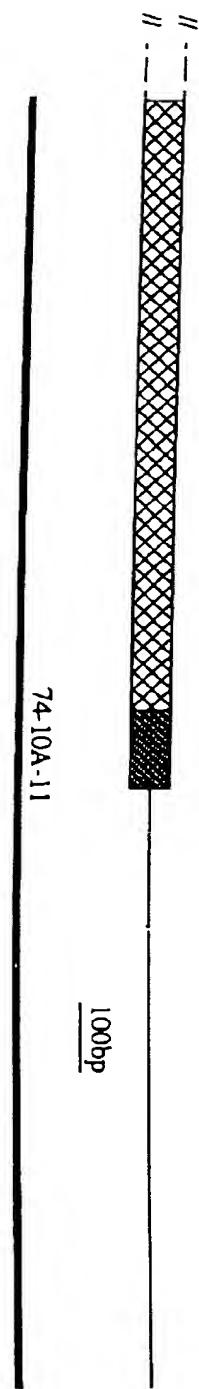
h6.1

GACACTGCATCGTCAAACGTACCCCTGGCGTTGGAGGAGCAGTCATCCCTAAAGGGTTGAAGCCAAAAGCCGAAGTA
GCAAAAATGAGACGAAAGGGCGGGCAGCCCAAAAGAGAAGACGCTGGACTGTGGTCAGATTGTCTGGGGCTGGCCTTC
GCCGTGNCTTCCCCACCCAGCAGGAAGCTGGCACGCCACCACCCCCAAGTGCCCGATGTCTTGCTCTGCCTGGTTCTTG
CTACGGGACTCAACGATGGGAGATCAAGATCTGGGAGGTGCAGACAGGGCTCTGCTTTGAATCTTCCGGCCACCAAG
ATGTCGTGAGAGATCTGAGCTTCACACCCAGTGGCAGTTGATTTGGTCTCCGCGTCACGGGATAAGACTCTCGCATTCT
GGGACCTGAATAAACACGGTAAACAGATTCAAGTGTATCAGGACCTGCAGTGGTTACTGCTGTTCCATCTCCCCAG
ACTGCAGCATGCTGTCTGCAGCTGGAGAGAAGTCGTCCTTCTATGGAGCATGAGGTCTACACGTTAATCGGAAGC
TAGAGGGCCATCAAAGCAGTGTGCTCTTGACTTCTCCCCGACTCTGCCCTGCTTGTCACGGCTTCTTACGATACCA
ATGTGATTATGTGGGACCCCTACACCCGGCAAAGGCTGAGGTCACTCCACCAACCCAGGTTGACCCGCCATGGATGACA
GTGACGTCCACATTAGCTCACTGAGATCTGTGTGCTTCTCTCCAGAAGGCTGTACCTGCCACGGTGGCAGATGACAGAC
TCCCTAGGATCTGGGCCCTGGAACTGAAAACCTCCATTGCAATTGCTCTATGACCAATGGGCTTGTGGCACATTTC
CCACATGGTGGAGTCATTGCCACAGGGACAAGAGATGGCCACGTCCAGTTCTGGACAGCTCTAGGGCTCTGTCCCTCACTG
AAGCACTTATGCCGAAAGCCCTTGAAGTTCTTAACAACCTTACCAAGTCTAGCACTCCAAATCCCCAAGAAAATGAAA
GAGTTCTCACATACAGGACTTTTAAGAACACCACTTGTGCTTGTACAGGGTAAATCGTCTGTCAAAGGG
AGTGTGGATAATGGCCAAACATCTGGTCTTGCATTGAAATAGCATTCTTGGGATTGTGAATAGAATGTAGCAAAA
CCAGATTCCAGTGTACTAGTCATGGATTTC

h6.2

ACCATGGTTCCAAGWTCCCTCCYKCCGTGGTCMRAAGTTGCYCCGAATGTTGGGCCAAGTGCCCTTTCYCTCCCTGG
GCCTCCCTCTGACCTGCAGGACAGTTTCCYGGAGGCCATTGGTATGAGGTATTAAWTTAGCCTAACTAAATTACAG
GGGACTCAGAGGCCGTGCTCCTGACCGATCCAGACACTATTTTTTTTTTAACAATGGTGTGCATGTGCAGGAA
ATGACAAATTGTATGTCAAGATTATAACAGGATGTATTCTAAACCGCATGACTATTCAAGATGGCTACTGAGTTATCAGTG
GCCATTATTAGCATATTTATTGTATTCTCAACAGATGTTAAGGTACAACGTGTTTTCTGATTATCTAA
CCATAGTACTAAATTGAAAAAA

SOCS-7



— mEST —

— h7.1 —

FIGURE 25

FIGURE 26A

FIGURE 26B

... ARGGVRAEAEDQVGMAE GGTGPDRAGPGPAGPNLKEWLREQFCDEPLEHCDDTRLHDAAYVGDLQTLRNLLQEESY
RSRINEKSVWCCGWLPCPTPLRIAATAGHNCVDFLIRKGAEVLDLVKGQTAIYVAVVNGHLESTEILLEAGADPNGSRHH
RSTPVYEAXRVRGRDDILKALIRYGADVDVNBEHNSDTRPPFSRRLTLSLVCPIYISAAYHNLQCFRLLLQAGANPDFNCNG
PVNTQEFYRGSPGCVMDAVLRGCEAAFVSLVEFGANLNLVKWE SLGPEARGRKMDPEALQVFKEARSIPRTLLSLCRV
AVRRALGKYRLHLVPSLPLPDFIKKFLYE*

FIGURE 27

h7.1

CCATCCATGGCGGAGGGCGGCAGCACGACGGCGGGCAGGGCGGGCTCGCAGGTCGTAATCTGAAGGAGTGGCTGAGG
 GAGCAATTGTGATCATCCGCTGGAGCACTGTGAGGACACGAGGCTCCATGATGCAGCTTACGTCGGGACCTCCAGAC
 CCTCAGGAGCCTATTGCAAGAGGGAGGCTACCGGAGCCGCATCAACGAGAAGTCTGTCTGGTGTGGCTGGCTCCCT
 GCACACCGTTGCGAATCGCGGCCACTGCAGGCCATGGGAGCTGTGTGGACTTCCTCATCCGAAGGGGGCCGAGGTGGAT
 CTGGTGGACGTAAAAGACAGACGGCCCTGTATGTGGCTGTGGTGAACGGGCACCTAGAGAGTACCCAGATCCTCTCGA
 AGCTGGCGCGGACCCCAAC

h7.2

GAGGAAGAAGAAAAGTGGACCCCTGAGGCCCTGCAGGTCTTAAAGAGGCCAGAAGTGTCCCAGAACCTTGCTGTGTCTG
 TGCCGTGTGGCTGTGAGAAGAGCTCTGGCAAAMACGGGCTCATCTGATTCTCGCTGCCCTGCGAACCCCCATAAA
 GAAGTTCTACTCCATGAGTAGACTCCAAGTGCCTGGGTGATTCCAGTGAGGGAGAAAGTGTATCTGCAGGGAGGTGGAC
 ACCGAGCCCTGAGTGCCTGGCTCTGATGGCTGTTGCTGCAGAAGATGTCCCTGTAGACTGTCAATTGCT
 CCTCAGGTGCCCTGGCCGCTGAACAGTCCTGGGTCAATTGTCAGCTGAGAGGCTTATACTAAAGTTATTATTGTTTCC
 CAAGTTCTCTGTTCTGGATTTTCAGTTGCATATTAATGTAACGGGCCATGGGTATGTACATGTAGGGCTGAGGTTGGA
 GGCTACTAATTCTGTAGGGAAAGACTCCCAGCACTCTGGAACTGTGCTCTCTTATTTCTACTTCTCAATTGTA
 GGTTCGATTAAGCCTCTAGTATCTCAATCAAA

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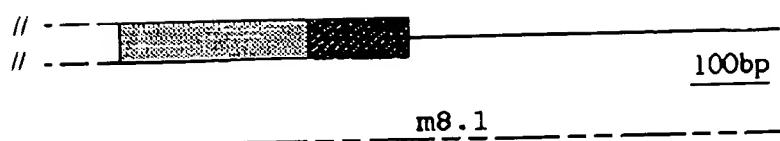
FIGURE 28

FIGURE 29A

CTGATGTCCGAATTCTGAAGGTTGGACACCACGTGGCTGCCTGTGACATCCGCTGTCATCCCCAAAGGATGCTGAG
GCCACCACCAACCGCTTTCAACTGTGCCCTTGCTGCTGTCTGTGGGGGCAAGATGCTGATGAATACATACCGTGTAG
TTCAGCTTCCTGAGGAGGCCAAGGgCTTGGTGCCACCAGAGATTCTACAGAAGTACCATGGATTCTACTCTTCCTCTTT
GCCTTGGTGAGGCAGGCCAGGTGCTGCAGCATCTCTGCCGTTGCGCTCCGCAGTCACCTGGAGGGCTGTCTGCCCA
TGCACCTACCGCGCCTTCCCTGCCACCGCGCATGCTCCGCTTCTGCAGCTGGACTTTGAGGATCTGCTACTAGctt
gctgccctgtgaacaaagcagacccaccccaagggcatctcagcaatgaatgatgcaaggcggtctgtctt
caagtcaggagtggacgccttgcacacttgagagaagaggccagatcagcaccyggctggtagtgatngcagaggc
acctgtgcagatctgtgtgcgcactggaaatcttaggctgaaggcyagagcaaatggtcargtggtagtccttggan
gagagacaganggtgagaagcaagacagaggtgagagtgcacatgtcaagtgtagattgcctaaaagaaagctaaaa
aaagaaaaagattcgggcgaacttcttagggtaatgtcagcgtttaactgactgaccagcgtccatatcttgg
acccttcccgggtgaaaaagcccccttcateccctccagcgtccccaaagggtgcctagcaataccgggtgccttctgcgc
aaagtgagttacaaa

FIGURE 29B

....MSAILKVGHHCWLPVTSAVNPQRMLRPPPTAVFNCAACCCLWGQMLMNTYRVVQLPEEAKGLVPPEILQKYHGFYS
SLFALVROPRSLOHLCRCALRSHEGCLPBALPRLPLPPRMLRFLQLDFEDLLY*

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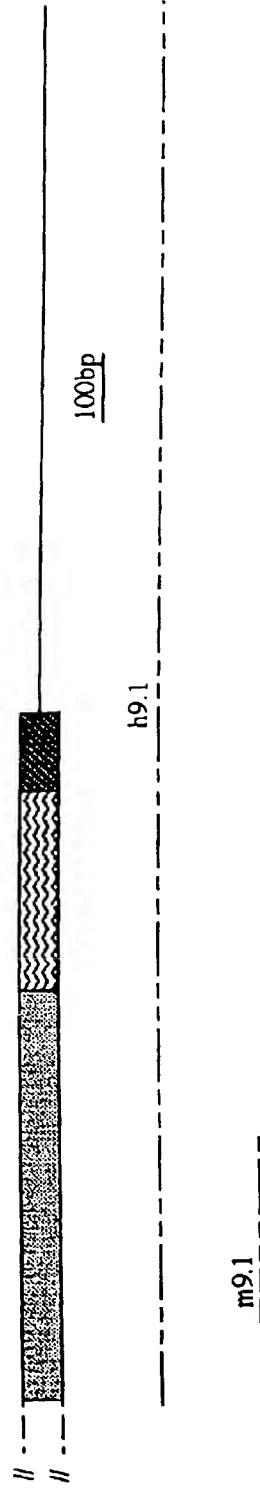


FIGURE 30

FIGURE 31

GTGGGGGGCGTCATCATGACCTCCTCTAGGGCTCTGCAACATGACTCCTGTGGTCAAATCAACAAATTGTTCACTGATGA
ATCCACAGGATCTCTGGGCTACAACCAGGTCTGGTCCACATGACTGTCGTCTCGGAGAAGGCACCACTCGCCCCCG
GCAGGTACGGCTGACACCTCCATGGGAGAAGACGTATCCAGGCAGCTGCGCGGCCCTCAAGAGGGCACATCCCCTC
ATCTAAAGGCACGGTGTACTGAAGGTAGTCCTGAGACATGAGTCCGATTACTACAGGCACGTGTTCCAGGTGGAGGC
TCAGGTCCCCGGGTGAGCTGGGCTGCAGCGGGACTCAGGGCGGGCTCTGGCTGCAGGTCTCGCAGCTCCCTGGCTGT
AGCTCCCGCAGATCCTGCGCACACC GTT GACT GGT

FIGURE 32

TTAATAGTACCTACATAGTAGAAAATTATAACTCCACTTTAAAACAATGTTCTTCTATTCAAATCAATTAAAACCTTT
TTATAAACATTAAATGTTGCAAGAGAATCCAGGCCATTATGAAAATTAGTTGACAATCAAGTTCACCCAAAGAAAATGTTGA
CTAAGCTAAAGAAATCACAGATAAAAACATTTACCAAAAGGATAGGTAACACACAAAAAAATGCTATCACAGGAAGCTNAT
GATCATCTAATATTTCTTAAATAATAATTCTAGTCCATAGGTTTCTATGTTATGCCAATTGTAACCGAGTTAAATTACA
AAAAAGGCAACAATTCTAAATTGGTGGTATACATTCTTACAATTAAATTGTAAGGCCATTATAAAATAGACAAA
CTAGAAGATGAAAACGAAGGCACAGAAAAATTCAACTTTCACACCAAAAGAATTAGCACAACCTTAGAAATAATTAG
AAAAAAAGTGGTAAAGATATGTTGAGATCTCCGTTCCATTACCAAGATATTGTCATTACGATTCTAAATAAAATC
TTTTAAAGTAAGAGATTAAGAGATTTACATCTTCAGTGTATATGTAATTCCGTGTTTATCACACAGGTATGTTATTCAA
CACTGKCTTGGAAANTGGACCATTTAAAGGACATGGCAATTCCATTCTGTTAAGTTCATTCAACCTTACTTAGGGG
TTGRATTACACATGAAATGNTGCTTTAATGCATAAAAATCACAGTGGATTAGCCAGCAAAAGGGACTGGCGGGGGGG
CATTGAGGAGAATTGATAATTACATTGTGATTATTCTGCACATTGATGAAACATAATTACACCTCTAAAACCTCAAGA
CTTCCCTTTAAAGAACCAAAATAACCCAAAGACACCTTGTGACACTTCCCCACCCCTAAACAAACTGATGACTCTTT
TACACATAAAACTGAARTAGTTATGGCAGAAAAGATTGATGGCAATGAAAGTTGTAATTGTCATCTTGT
TCTTATTCCAAAGTGCAGATGCAGGGTTCTCAATTCTTCAGTAGTGCTTCTCTGTAATAATCCTTCATTGTTGG
CAAAGGCAGTTCTGAATTAGTCTATTCTGGTATACTGACGTATAACAAAACGACACAGGTACTGCACGGACCCACCTS
SATGAACNCNCGRGAACACTGGSTTGGYCAAGTTCTNGACRRGGKAAGTGCAAGATTCCAGGCAGCYGAGACCTTGAAATAA
CAAAAGCTCCATTTCAGTCCCTGATTGAATGCTCCAATTAGATCAACTATGGACGTATGTCCTCCACATCNGGT
GTTCATAAAAGCTAAACCTTACCATTTGAGTGTCATTCTAGTGTAAGTGTTTACCATGGAGCGAAAGTCACAGCTTA
AAAGGTAAACGGTCTCGTCAAGACTGTCGGACAAAGAAAAGAACCATCTGGCACGTTGCTAGCTTCCCTCTGCCTCCAAAC
GTGTGATTGGTCCCCAGTACCATCTTGCTTGTCAAGTTTTCAGCTCTGTAAGGCTGTCAACACCATGGGACAC
TACTTTGCACTGAGTCATAAAACTCTTGCAACCCCCAGGAGCAGAGTTGGATCAAAATTCAAAATGACAGCGCATAACTTNC
ACCCACGTGGGCTTCTGTSAGTGGACTCACTGAAAGTTCCCTTGGGATTATTCTGCAATTGGAGNTAAC
CAATGGTGAAGATTGGAGGGACATCCATGTAACCCGCTCTCCGGGTTCTGCAACATGACTCCGTGGTGCACATCAAC
AAGCCATTCAACGGACTGATCCACGAAGATCTCTGGGGGACAAACTAGGTCTGGTCTACCTGACTCTCATCCTCGGGAA
AGCGCGCCCTCCACTTGAGGAGGAACCGCAGAGACTTCCATGGGAGAAGAGCTGTCAGACAAATAGCTCCGTGATCCTTC
CAAAGGATACATCCCCCATCTAAAGGCACAGTATACTGAATGTAAGTCTGAGGACATAAGTCAATAACGACAGGCACATG
TTCATCCAGGTGAAGATGCAGGTCTCATTATGAGAAGGCCAGTCTCAGTGAATTGGCTTGCTCTGGCACGTGGTCTC
AGACTGGAGGTGCGT

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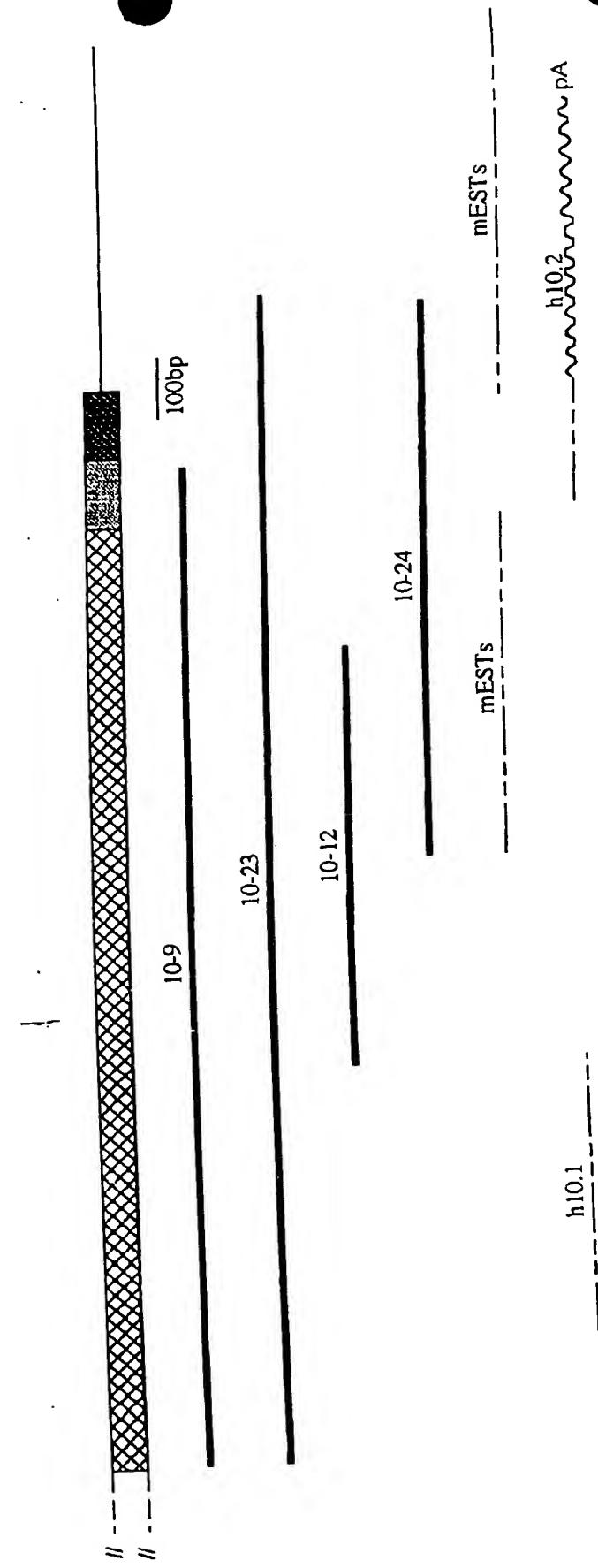


FIGURE 33

FIGURE 34

GGCACGAGGCTGTGTCAGCACACAGAGAGGGCCGGCCATCTGCTTGGTTAGAGCCCTGTGTCGTGTCACCTAG
ACTCTTCTCCGGCTCGCAGCTCACCCCTCCATCCTCCTACTGGCTCCAGCATGACTCGCTCTCTTATGCAGAGTACT
TTGCTCTGTTCACTCTGGCTCGCACCTTCCAGGTCCTCGCTCCAGAACCACGGCCGGCACCCCTGGGT
CTGTTCCAAGGGGTATGCAGAAGTATAGCAGCAACCTGTCAGACCTCCAGATGGCGGTATGGACCCGTGCTGAA
GGCCATCAAGGAAGGGATGAAGAGGCCCTGAAGATCATGATCCAGGATGGGAAGAATCTGCAGAGGCCAACAGGAGG
GCTGGCTGCCGCTCCACGAGGCTGCCTACTATGGCAGCTGGCTGCCTGAAGACTCCTGCAGCAAGCTACCCAGGGACC
ATTGACCAAACGCACACTGCCAGGAAGAGACAGCATTATACTGGCACATGCAGAGAACACTGGATTGCCTCTGCGCT
GCTCCAGGGGGGGCAGAGCCTGACATCTCTAACAAATCCAGGGAGACTCCACTTTAACAAAGCCTGTGAGCGCAAGAACG
CGGAGGCGGTGGAGGATATTGGTGGATACACGCAGGCCAACCGCTGTAACAGGGCTGGACCCACTGACAG
TCTGTCTCCCGCAATGACCTGGAGGTATGGAGATCCTAGTGAGTGGGGGGCCAGGTGGAGGCCAACAGATGTCTACAG
CATCACCCCTTGTGTTGGCTGCCAGAGTGGGAGCTGGAGGCCCTGAGGTCTGGCCAAGCATGGTGCAGACATCA
ACACGCAGGCCAGTGCATCAGCCCTTACAGGCCAGCAAGAACATGAGCATGAAGACGTGGTAGAGTTCTCTC
TCTCAGGGGCCATGCTAACAAAGCCAACAAGGACGCCCTGCTCCCCCTGCTGGCATGTTGCCCTCAAGAACGGCAACTATAG
AATAGTGCAAGATGCTGCTGCTGTGACCAGGCCACGCCCTGCGCGCTAGCGGCATCACCTAGCGGCC
AGCGCAACCACGACGCCGTGCTGGAGGCCCTGCTGGCCCGCGCTTGACGTAACGCACCTCTGGCTCCGAGGCCGCC
CGCCTCTACGAGGACCCGCCAGTCTGCGCTTACTTCGCTGTGGTCAACAAACATGTGACGCCACCGAGCTGTTGCT
GCTGGCGGCCGGACCCCAACCGCGATGTCATCAGCCCTGCTGGCCATCGGCCACGGCTGCCCTGCGCACCATG
AGCTGCTGTTGGACCATGGGCCAACATCGACGCCATCGCCACTCACCCACGCCCTTCCAGCCACCATGTTT
GCCATGAAAGTGGCTGCTGTTACTCAAGTTCTTATGGACCTCGGCTGCGATGGCAGGCCCTGCTTCTCTGCTGTACGG
CAACGGGCCGCAACCACCGCCCGGACCTGGCGCTTCCACGACGCCACCGAGCAGAACGGCCTAGCGTGGTGA
GTTCTGTGAGTTCTGTCGGCCCCGGAAAGTGAGCCGCTGGCGGGACCCATCATGATGTCCTCTGACTATGTTGGCA
ACGTGCAGCTGTGCTCCGGCTGAAGGAGCACATCGACAGCTTGAGGACTGGCTGTCATCAAGGAGAACGGCAGAACCT
CCGAGACCTCTGGCTCACCTCTGCCGGCTGCCGGTCCGAAGGCCATAGGAAATACCGGATAAAACTCTGGACACACT
GCCGCTCCGGCAGGCTAACGATACCTGAAATATGAGAATACACAGTAACCGCCGCTggagaggagatgtggcccttca
gactgtttccggagcccccaggtggccctgacatccaggacccctgggtcagaacagggtgtgacccctgtgggttt
ctggagctcacccaaagtggagacccctgatgtgtggaggtggacgtggacacccctgtttcacactgtcagccgatcg
accccgctctgtttctggccatagccagagacccctcaacctggggccaggggagagctggctgtggccaggc
aggaatccctggccctaagctggagaacctgttaggaatccctcaactggccacccctcagcttcaaggctg
tagggatatttacttgcattgcngcgttcaaggctactggaaacatgcgttccnactatgtttgagaatcccttgcact
gtaaacagagagccgacgtgttcaagggtgtgtttggnttgccttgcgttccgggtttgtccgacngtaat
tgacccctgtttgtcactttcggaggtgtccgactattgggggctttgtgtcccaaaaatttgggtgggtgtgc
gacggccacgagaagtggatggatggccgataatcattactngagaatgttagagccgggtttacgaataaaattttt
aagccgccttcccaaaa

FIGURE 35

h10.1
CCTCCTGAGAGTTGCCGGCCGGCCAAATGGGTTGTTCCAAGGGTCAAGCAGAAATACAGCAGCAGCTTGTCAAG
ACCTCCCAGCTGGCGCTTGCGGACCCCTTGATAAAAGGCCATCAAGGATGnCGATGAAGAGGCCCTGAAGACCATGATCAA
GGAAGGGAAAGAATCTCGAGGCCAACAAAGGAGGGTGGCTGCCGCTGCACGAGGCCGCATACTATGGCCAGGTGGCT
GCCTGAAAGTCTCGAGCGTACCCAGGGACATCGACCAGCGCACCCCTGCAGGAGGAAACAGCCGTTTACTTGGCA
ACGTGCAGGGGCCACCTGGACTGTCTCTGTCACTGCTCAAGCAGGGCAGAGCGGGACATCTCCAACAAATCCCGAGA
GAAACCGCTCTACAAAGCCTGTGAGCGCAAGAACGCGGAAGCCGTGAAGATTCTTGGTGCAGCACAACGCAGACACCAAC
AACGCTGCAACCGGGCTG

h10.2
GTGCAGCTCTGCTCGGGCTGAAGGAACACATCGACAGCTTGAGGACTGGGCCGTCAAGGAGAACGCCAGAACCTCC
AAGACCTCTGGCTCACCTTGCCGACTGCGGGTTGAAAGGCCATTGGAAATACCGTATAAAACTCCTAGACACCTTGC
CGCTCCCAGGCAGGCTGATTAGATACTGAAATACGAGAACACCCAGTAACTGGGCCACGGGGAGAGAGGGAGTAGCCCC
TCAGACTCTCTTAAGTCTCAGGACGTCGGTGTCCCAACTCCAAGGGGACCTGGTACAGAcGAGGCTGCAGGCTG
CCTCCCTCTCAGGCTGGACAGCTACCAAGGATCTCACTGGGCTCAGGGCCAGAGCTTGGCCAGAGCAGAGAACAGAAT
GTGTCAAGGAGAAGAATCATTGTTACAAACTGATGAGCAGATCCCAGACCTTCTACCTTCAGGAATGGCAGAAACC
TCTATTCTGGGCCAGGGCAGAGCTGAGGTGTTCTGGGAAGGTGGTGCCTCAGAGCCTCCCTGTGCCCTCCACTTG
CTGAAACTCACCACTTGACTCAGAGCTTCTCTCAAAGACTAAGATGAAGACGTGGCCCAAGGTAGGGGTAGG
GGGAGCCTGGTCTTGGAGGGCTTGTAAAGTATTAATAATTAATGTTACACATGTGAAAAAA

FIGURE 36A

TTGGAGAAGTGTGGTTGGTATTGGGGCCAATGAATTGGGAAGATGCAGAGATGAAGCTGAAAGGGAAACCAGATGGTTCT
TTCCTGGTACGAGACAGTTCTGATCCTCGTTACATCCTGAGCCTCAGTTCCGATCACAGGGTATCACCCACCACACTAGA
ATGGAGCACTACAGAGGAACCTTCAGCCTGTCGGTGTCACTCCAAGTTGAGGACCGCTGTCATCTGTTGAGAGTTATT
AAGAGAGCCATTATGCACTCCAAGAATGAAAGTTCTCTATTCTTAAGATCCAGGGTCCAGGACTGCCACCAACTCCT
GTCAGCTGCTCTATCCAGTGTCCCATTCAAGCAATGTCATCCCTCCAGCACCTTGAGATTCCGGATACGACAGCTC
GTCAGGATAGATCACATCCCAGATCTCCACTGCCTAACCTCTGATCTCTTATATCCGAAAGTTCTACTACTATGATCCT
CAGGAAGAGGTATACTGTCTAAAGGAAGCGCAGCGTCAGTTCCAAACAGAAGCAAGAGGTGGAACCCCTCACGTAGC
GAGGGGCTCCCTGCTGGTCACCAAGGGCATTTGGTCCAAGCTCCAGCTTGA^{ta}gaaccaaattaaagctaccatgas
aagaagagaaaagtggggacaggaagggtggattctctgtcagagacttggttccccacgcaagccctggggctt
ggagaagcacatgaccgtactctgcgtgggctccacaccacccctggcatcttaggactggaggggctcctt
ggaaaactggaaagaagtctcaacactgtttctttca

FIGURE 36B

...LEKCGWYWGPNNWEDAEMKLKGPDGSFLVRDSSDPRYIILSLSFRSQGITHETRMEHYRGTFSLWCPKFEDRCQSV
VEFIKRAIMHSKNGKFLYFLRSRVPGLPTPVQLLYPVSFRSNVKSLOQELCRFRIRQLVRIDEIPDLPLPKPLISYIRKFY
YYDPQEEVYLSLKEAQRQFPNRSKRWNPPRSEGLPAGHHQGHLVAKLQL*

FIGURE 37

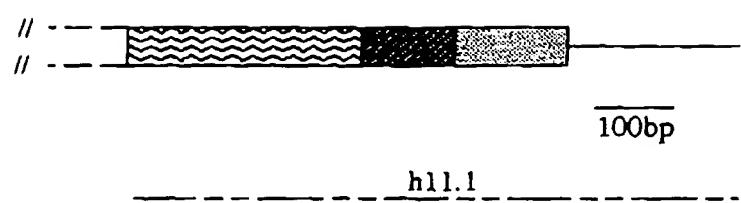


FIGURE 38

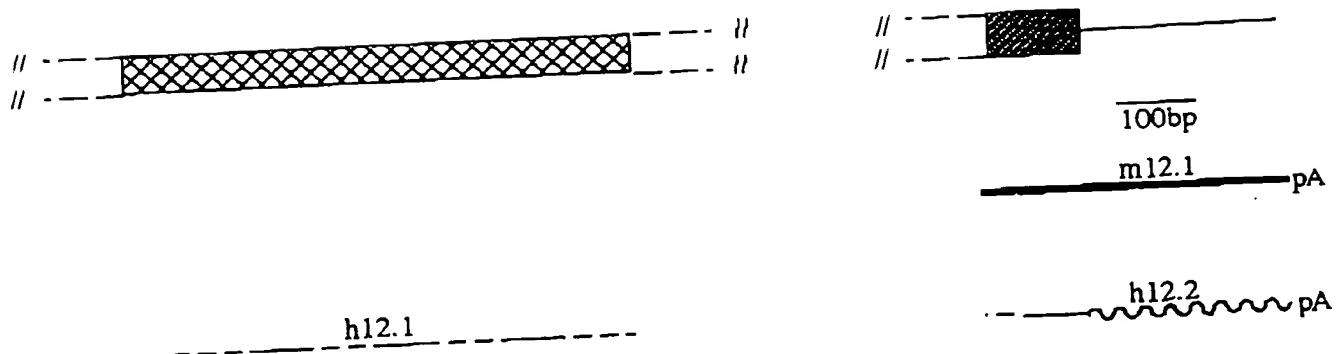


FIGURE 39

GTTCCAAGCTAACCCATCTTGTGTTGGAAATTGGCCAGTCTAAAGCAGAGCACCTCACTCTGACATTTCTAC
CCATCAGTTGCCACTTCCCAGAAGTCTGCAGAACTATTGCTCTATGAAGAGGTTAAGAATGAATGAGATTCTAGAAC
CAGCAGCTAATCAGGATGGAGAACAGCAAGGCCACCTGAcacaggtccttaatctgttttagtcacaaaagacggct
tgtgtgactgttggatttgtgatcaaatgtccatgttacagttgtcttcccaagttgtgttcccaatatttgt
aaccttatccatctgcctactcagttatttctagtgcactttgtgttattttgttacctgaccatttcta
cttattctgtaataaactgttaattctgaa

FIGURE 40

GGGGATCGAAAGCGGGGGCTCTGGGACGCAGCTCTGGAGACGCCGGCCTCGGACCAGCCATTGGTCTAGAAGTGGCAG
CACGGCAGACTGGTCAAACAAATGGATTTCAGAGGCTTACGCCAACGTGCTACAGTGGACTTGCTGCCAGGG
AGGCAATGTTAAAGTCTAAGGAAACTGCTCAAAAAGGCCGAAGTGTGATGTTGCTGATAACAGGGATGGATGCCAA
TTCATGAAGCAGCTTACAACTCTGTAGAATGTTGCAATGTCAGATTCTGTGAAACTACATTCTGAAA
ATGAAGACCTTGAGGGTTCTGTGCTTGCATCTCGCTGCAAGTCAGGACATTGGAAAATCGTACAGATTCTTTAGA
AGCTGGGGCAGATCTAATGCAACTACTTTAGAAGAAGACACCATTGGTTAGCTGTGAAAATGGACAGATAGATG
TGTAAAGGCTTCAACACGGAAATGTTAATGGATCCATTCTATGTGCAACTCCTGCACCAAGGCT
TCTTTAGGAAAATGCTGAGATCATAAAATGCTCTAGAAAAGGAGCAAACAAAGGAATGCCAGGATGACTTGGAAAT
CACACCTTATTGTGGCTGCTAGTGGCAAGCTAGAAAGCTTGAAGCATACTTATTCATCCGGTGCAAATGTC
AATTGTCAAGCCTTGGACAAGCTACC

h12.2
CACAAATGGGACCATACAAAATCTGGNACTTGTAAATAACCACTTAACTACCGGGACCTGTGACACTGGGNCTAAAC
AAAGTAAGTCCCTGTTACTCAGNCAGTGTGGGGACATGAAGGATTGCTAGNAAAATATTACTCCGGAAATGGTCTAC
AGCCCAGNACGCCAGGGCGTGCCTGTTGGATTGCTAGTTCTCTGTGCACTGGCTTCCAAAAGGAGGTGGAGCTGT
RAGTTCTTGGAAATTGTAACATTCTTTGAAATATGGAGCCAGATAAATGAACTTCATTTGGCATACTGCCTGAAGTA
CGAGAAAGTTTCGATATTGCTACTTTGAGGAAAGGGTTGCTCATGGGACCATGGAAACCATATATGAATTGTA
ATCATGCAATTAAAGCACAAGCAAATATAAGGAGTGGTGCACATCTCTGGTGTGGATTGACCCACTGATTCTA
CTGTGCAATTCTGGATTGACTCAGTCAGCATTGACACCCATTCTCACTTTGGAGTTACTAATTGGAAAGACACTTGC
ACCAGCTGTGAAAGGATGCTCTGCTCGCCTCAAACGCTTGATTCTACAGCAACATATTGCCACTGTTCCATCC
CTGACCCATCTTGTGTTGGAAATTGGCCAGTCTAAATCAGAACGTCTACGGTCTGACAGTTATATTAGTCAGCT
GCCACTTCCAGAAGCTACATAATTATTGCTCTATGAAGAGCGTCTGAGGATGTATGAAGTCCAGAACTGGCAGCTA
TTCAAGATGGATAAAATCAGTGAACACTTAACACAGCTAATTCTCTGAAAATCATCGAGAACAAAGAGCCACA
GAGTACAAGTTTATGATTAGTCAGAAAGATGATTATTGATGTCAAGATAGGTTAGGTTGGGGGGCCAGTAGTT
CAGTGAGAATGTTATGTTACAACTAGCCTCCAGTAAAAAAAAAAAAAAAAAAAAAA

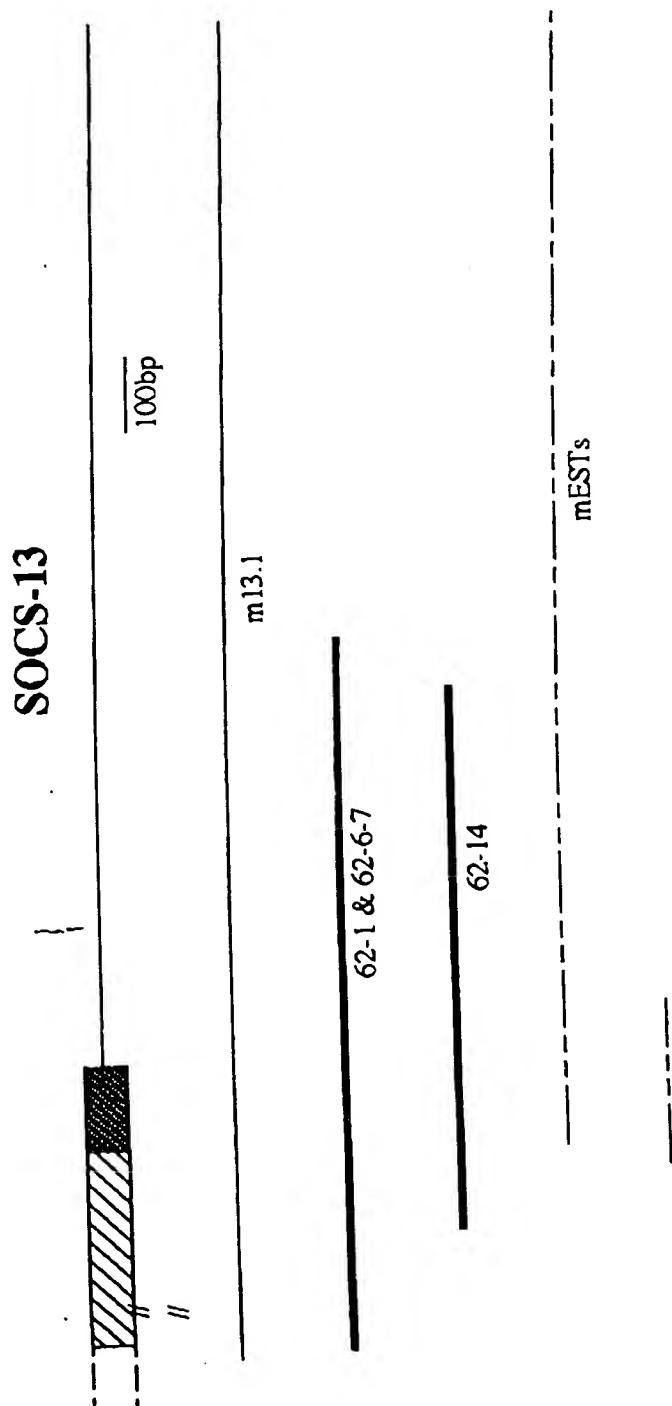


FIGURE 41

FIGURE 42A

CGGGGGGGCTGGGACCTGGGCGTAACCGTCTCTACCACGACGGCAAGAACCAAGTAAACATACCCAGCCTTCTG
GAGCCGGACGAGACATTCAATTGTCCCTGACTCCTTTCTGTGGCCCTGGACATGRATGATGGGACTTAAGTTCATCGT
GGATGGACAGTACATGGGAGTGGCTTCCGGGACTCAAGGGTAAAAGCTGTATCCTGTAGTGAGTGCCGTCTGGGGCC
ACTGTGAGATCCGATGCGCTACTTGAACGGACTTGATCCTGAGCCCCTGCCACTCATGGACCTGTGCCGGTCTCGGTG
CGCCTAGCGCTGGGAAAAGAGCGCCTGGGTGCCATCCCCCTGTGCCGTACCTGCCCTCCCTCAAAGCCTACCTCCTCTA
CCAGTGATccacatcccaggaccgcatacgacagccatctggccaaartactgagcccggtgggtccggccgacccc
tgccgcctggatggayggccacctaaggccatggccatggccatggccatggccatggccatggccatggccatggccatgg
atggcccaacggacttccctcccaacactggctgaagcagcagcaccgcacccaggcccttcctgaaccagatgcagagaata
aactatgaaaacctcttcaggcccttcagggtggacttaggatggccagggtccatggccatggccatggccatggccatgg
ccacatgggggtcctggaggttaagacttaggatggccagggtccatggccatggccatggccatggccatggccatgg
ccatacagatgaagactcaggatgtcacataccatggacamtggacagaacccagggtggamttccctggccaaacga
gtgccagcttaatgtcagctgcgggtctgtggctgttattttaaacagtagcaaaggccatttatttatt
ccacttagaaaaggaaaccttgggggtgggtccctcgatgtgtttccctccatggccatggccatggccatggccatgg
gtccttgcctccaggccaggactgtggccatggccatggccatggccatggccatggccatggccatggccatggccatgg
agttcttaagttagccctgcaccaaggccacccaggccatggccatggccatggccatggccatggccatggccatgg
gcttctgttgccttggactcataccggcacacgtgtttcagcccttcacttccatggccatggccatggccatggccatgg
attttctgtatattcccttggccatccctccaaaggcttggccatggccatggccatggccatggccatggccatggccatgg
ccaggccctggaaaggccacttggccatggccatggccatggccatggccatggccatggccatggccatggccatggccatgg
ctcaggctcaagacccggccacacacccactcaaggctcagaagtgggtgttagggccatggccatggccatggccatggccatgg
cctagcagcagctacatggccatggccatggccatggccatggccatggccatggccatggccatggccatggccatggccatgg
atgggaatgttagccattttggtagaggacttgccttagccatggccatggccatggccatggccatggccatggccatggccatgg
aaagctcaggaggctggccatggccatggccatggccatggccatggccatggccatggccatggccatggccatggccatggccatgg
gtcccttaagaaaaaaaatcaacttccattgaatctgagttctgtcatttgcacaggtaaatagact
tkatttggaaaaatgkttatatattacmtatataatattgtaaaggcatt

FIGURE 42B

....GGWDLGRNRILYHDGKNQPSKTYPAFLEPDETFIVPDSFFVALDMXDGTLSFIVDGQYMGVAFRGLKGKKLYPVVSAV
WGHCEIRMRYLNGLDPEPLPLMDLCRRSVRLALGKERLGAIPALPLPASL~~KAYLLQ~~*

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FIGURE 43

AAGGGTAAAAACTGTATCCTGTAGTGAGTGCCGCTGGGGCACTGTNAGATCCGAATGCGCTACTTGAACGGACTCGAT
CCCGAGACNTGCCGCTCATGGATTGTGCCGTCGCTCGGTGCGCCTGGCCCTGGGGAGGGAGCGCCTGGGGAGAACANC
NACCTGCCGCTGCCGGCTTCCCTCAAGGCCTACCTCCTTACCAAGTGAAGTTCGCCATCATACCGCCAGCGGACAGCCAC
CTGGTGCCAACTCACTGAGCCGCGCTG

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FIGURE 44

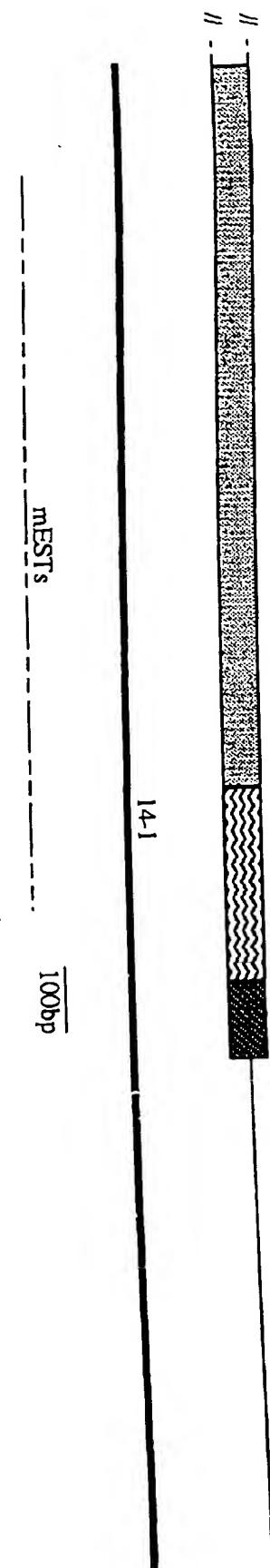


FIGURE 45A

FIGURE 45B

SGGGPWRAGGGSGKSDGLTVEPGRGLTARPPPGGSRTRSGSGRASLPRLSERRVMMAVVMAAGARTAPELSSERS
VQKVPRRNLLKLKNTXFITLEIVKNLFKMAENNNSKNVDVRPKTSRSRSADRKGYWSGKRLWSKKSESCSESEAS
TVENVEIPLRSQERQLSCSSIELDLDHSCGHRFLGRSLKQKLQDAVGQCFPIKNCGRHSPGLPSKRKIHISELMLDKCP
FPPRSIDLAFRWHFIFIKEHTVPMSPNSDEWVSADLSERKLRDAQLKRRNTDEDIPCFSHNTGQPCVITANSASCTGGHITGS
MMNLVTTNSIEDSDMDSEDEIITLCTSSRKRNKPRWEMEEEILQLEAPPKFHTQIDYVBCLVPDQQISNNPCYWGVMDK
YAAEALLEGKPEGTFLLRDSAQEDYLFVSFRYRSLSHARIEQWNENFSDAHDPCVFHSPDITGGLLEHYKDPSCACMF
EPPLLSTPLIRTFPSLQBICRTVICNCTTYDGIDALPIPSMHLKLYLKEYHYKSKVRLRIVDPEQQ*

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FIGURE 46

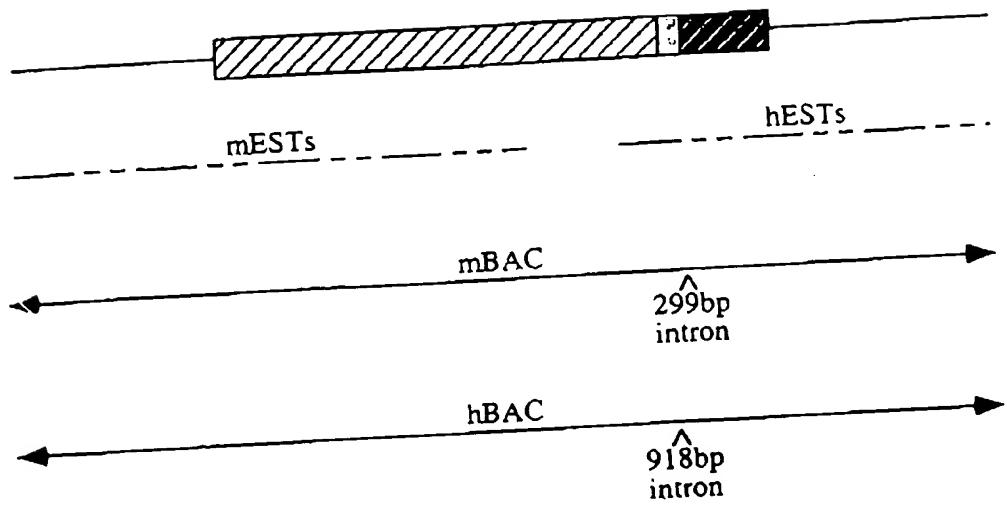


FIGURE 47A

FIGURE 47A (CONTINUED)

cgtcttgc~~c~~agtc~~c~~caatggcccacacaggttcataggccaggaccac~~t~~tgctcc~~c~~agtc~~t~~tcacat~~t~~atctgtggggc
agagaggag~~a~~gtgagtaggaaggagctgacccgccaagc

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FIGURE 47B

MCQTALARGSSSTPTSQALYSDFSPPEGLEELLSAPPDLVAQRHHGWNPKDCSENIDVKEGGLCFERRPVAQSTDGVRGK
RGYSRGLHAWEISWPLEQRGTHAVVGVATALAPLQADHYAALLGSNSESGWDIGRGKLYHQSKGLEAPQYPAGPQGEQLV
VPERLLVVLDMEEGTLGYSIGGTYLGPFRGLKGRTLYPSVSAVWGQCQVRIRYMGERRVEEPOSLIHLISRLCVRHALGDT
RLGOISTLPLPPAMKRYLLYK

FIGURE 48A

FIGURE 48A (CONTINUED)

agctgctcttcgcagttgtgtggctgtagagtggagggccatccctccctcacccatagccccagctcccaagccctctgg
gtcaaaagccctgggcccagctccaccactgtcagagccaccctggcctgttttagagggcccttagccagctttcaccc
cagctctgacttagggatgtgtgaatcttactctgggaggcagaacttccgggtatctcaaaatcccttcagccagg
ggcacactcgaagcaggaaaggcagaaggcatctgagtaggaccccgtagttttagggacatctggctgtggctgcaccc
atacttacattcccttccttcctccagcGGGAGCCACACTCCCTCTGCACCTGAGGCCCTGTGTGCGCACAA
CCTGGGGGATACCCGGCTCGGCCAGGTGTCTGCCCTGCCATGAAGCGCTACCTGCTCTACCAGTGAG
ccctgtgataccacagactgrgctgaggcttgcaccacccctcccttgggagggtgggaggcactgtggcttaga
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FIGURE 48B

MGQTALAGGSSSTPTPQALYPDLSCPEGLELLSAPPDLGAQRRHGWNPKDCSENIEVKEGGLYFERRPVAQSTDGARGK
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/PERLLVVLDMEEGTLYAIGGTYLGPFRGLKGRTLYPAVSAVWGQCQVRIRYLGERRAEPHSLLHISRLCVRHNLGDTR
LGOVSALPLPPAMKRYLLYQ

FIGURE 49

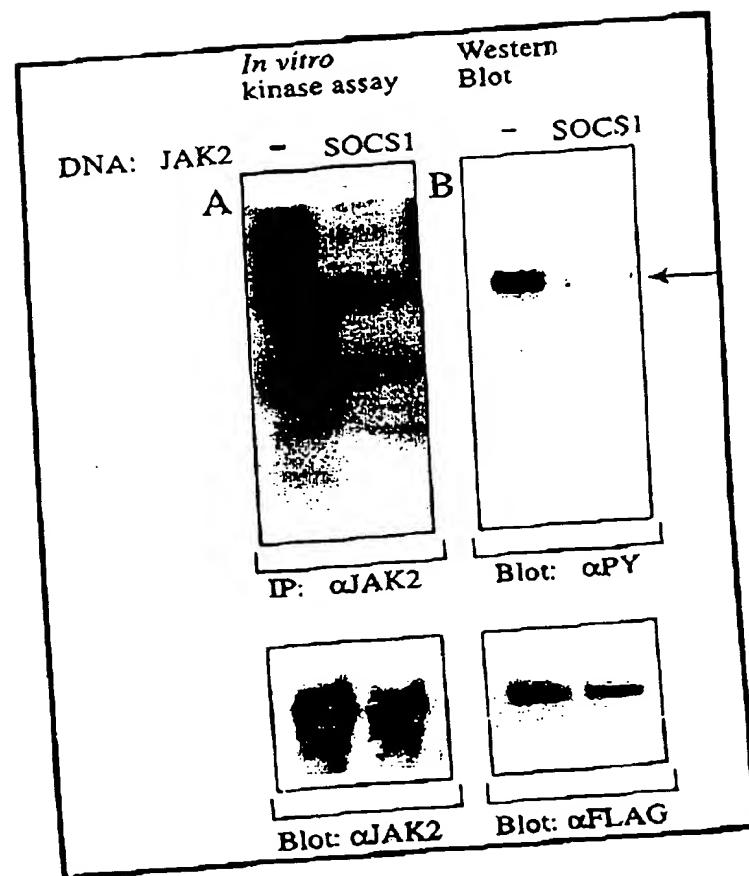


FIGURE 50

